nature

Author Index for Volume 265

January–February 1977
Numbers 5589–5596
Pages 1–770

Ables J. G. *see under* Hamilton P. A.. **265,** 224
Adams P. J. *see under* Canuto V., **265,** 763
Adelstein S. J. *see under* Bloomer W. D., **265,** 620
Adetugbo K., Milstein C. and Secher D. S. Molecular analysis of spontaneous somatic mutants. *review article*, **265,** 299
Adler-Graschinsky E. *see under* Langer S. Z., **265,** 648
Aguayo A. J., Attiwell M., Trecarten J., Perkins S. and Bray G. M. Abnormal myelination in transplanted Trembler mouse Schwann cells. **265,** 73
Air G. M. *see under* Sanger F., **265,** 687
see under Smith M., **265,** 702
Aitken M. J. *see under* Huxtable J., **265,** 40
Akaike N. *see under* Lee K. S., **265,** 751
Akil H. *see under* Madden J., **265,** 358
Alexander R. McN. and Bennet-Clark H. C. Storage of elastic strain energy in muscle and other tissues. **265,** 114
Allen P. *see under* Rose J., **265,** 663
Al-Ogily S. M. and Knight-Jones E. W. Antifouling role of antibiotics produced by marine algae and bryozoans. **265,** 728
Alpert M. *see under* Anderson L., **265,** 461
Ambraseys N. Gemona: the reckoning. *news,* **265,** 3
Anderson L., Dancis J., Alpert M. and Herrmann L. Punishment learning and self-mutilation in Lesch–Nyhan disease. **265,** 461
Andrews S. M., Browne M. A. E., Panchen A. L. and Wood S. P. Discovery of amphibians in the Namurian (Upper Carboniferous) of Fife. **265,** 529
Angel J. R. P. *see under* Martin P. G., **265,** 314
Anton M. *see under* Aubertin A.-M., **265,** 456
Arbuthnott G. W. *see under* Garcia-Munoz M., **265,** 363
Arden J. W. *see under* Jelley N. A., **265,** 35
Arfellini G., Prodi G. and Grilli S. Removal of 5-bromo-2-deoxyuridine incorporated in DNA of regenerating liver. **265,** 377
Armelin M. C. S. and Armelin H. A. Serum and hormonal regulation of the "resting-proliferative" transition in a variant of 3T3 mouse cells. **265,** 148
Armelin H. A. *see under* Armelin M. C. S., **265,** 148
Arnon R. *see under* Steinman L., **265,** 173
Atkinson R. J. C. Interpreting Stonehenge. *news and views,* **265,** 11
Atkinson T. C. *see under* Wigley T. M. L., **265,** 431
Attiwell M. *see under* Aguayo A. J., **265,** 73
Attramadal A. *see under* Purvis K., **265,** 169
Aubertin A.-M., Anton M., Bingen A., Elharrar M. and Kirn A. Solubilised viral proteins produce fatal hepatitis in mice, **265,** 456
Augustin A. A. *see under* Julius M. H., **265,** 251
Averdunk R. *see under* Resch K., **265,** 349
Axelrod J. and Saavedra J. M. Octopamine. *review article,* **265,** 501
Ayitey-Smith E. *see under* Chinery W. A., **265,** 366
Badhwar G. D., Daniel R. R. and Stephens S. A. Cosmic-ray electrons and galactic radio emmission—a conflict? **265,** 424
Bahl C. P. *see under* Szostak J. W., **265,** 61
Bar R. S., Kahn C. R. and Koren H. S. Insulin inhibition of antibody-dependent cytoxicity and insulin receptors in macrophages. **265,** 632
Barchas J. D. *see under* Madden J., **265,** 358
Barnaby F. Peace research: the whys and the wherefores. *news,* **265,** 672
Barnes A. T. *see under* Case J. F., **265,** 179
Barrell B. G. *see under* Sanger F., **265,** 687
see under Smith M., **265,** 702
Barry J. M. *see under* de Roeper A., **265,** 469
Barton S. C. *see under* Kaufman M. H., **265,** 53
Beach A. D. Stonehenge I and lunar dynamics. **265,** 17
Beasley T. M. *see under* Fowler S. W., **265,** 384
Bell G. I. *see under* Perelson A. S., **265,** 304
Bell K. and Blenkinsop J. Geochronological evidence of Hercynian activity in Newfoundland. **265,** 616
Ben Menahem A. *see under* Kanz J., **265,** 277
Dating earthquakes by mud profiles of lake sediments — Reply. *matters arising,* **265,** 278
Benga G. and Morariu V. V. Membrane defect affecting water permeability in human epilepsy. **265,** 636
Bennet-Clark H. C. *see under* Alexander R. McN., **265,** 114
Bennett D. *see under* de Asua L. J., **265,** 151
Bennett D., Mathieson B. J., Scheid M., Yanagisawa K., Bxoyse E. A., Wachtel S. and Cattanach B. M. Serological evidence for H–Y antigen in *Sxr,* XX sex-reversed phenotypic males. **265,** 255
Bennett M. *see under* Kumar V., **265,** 345
Benson P. F. *see under* Gianelli F., **265,** 466
Berdahl B. J. *see under* Oyama V. I., **265,** 110
Bergsma D. R., Wiggert B. N., Funashashi M., Kuwabara T. and Chader G. J. Vitamin A receptors in normal and dystrophic human retina. **265,** 66
Beveridge G. C. *see under* Kuehl F. A. Jr, **265,** 170
Bhatkar A. P. and Kloft W. J. Evidence, using radioactive phosphorus, of interspecific food exchange in ants. **265,** 140
Bhattacharjee S. K. and David K. A. V. Unusual resistance to ultraviolet light in dark phase of blue-green bacterium *Anacystis nidulans,* **265,** 183
Biggio G. and Guidotti A. Regulation of cyclic GMP in cerebellum by a striatal dopaminergic mechanism. **265,** 240
Bingen A. *see under* Aubertin A.-M., **265,** 456
Black S. J. *see under* Warner N. L., **265,** 447
Blair G. E., Dahl H. H. M., Truelsen E. and Lelong J. C. Functional identity of a mouse ascites and a rabbit reticulocyte initiation factor required for natural mRNA translation. **265,** 651
Blakemore W. S. *see under* Singh I., **265,** 541
Blaszczak K. and Gorlich E. Polymorphic transition in silica glass. **265,** 39
Blaustein M. P. *see under* Kenrick N. C., **265,** 246
Blenkinsop J. *see under* Bell K., **265,** 616
Bloomer W. D. and Adelstein S. J. 5-^{123}I-iododeoxyuridine as prototype for radionuclide therapy with Auger emitters. **265,** 620
Blum K., Futterman S., Wallace J. E. and Schwertner H. A. Naloxone-induced inhibition of ethanol dependence in mice. **265,** 49
Bock I. R. *see under* Parsons P. A., **265,** 48
Boger D. V. Demonstration of upper and lower Newtonian fluid behaviour in a pseudoplastic fluid. **265,** 126
Boileau S. *see under* Grimaldi J. J., **265,** 229
Boldt E. A. *see under* Kaluzienski L. J., **265,** 606
Bonaventura C., Sullivan B., Bonaventura J. and Bourne S. Anion modulation of the negative Bohr effect of haemoglobin from a primitive amphibian. **265,** 474
Bonaventura J. *see under* Bonaventura C., **265,** 474
Bonney G. E. and Konotey-Ahulu F. I. D. Polygamy and genetic equilibrium. **265,** 46
Bonsall R. W. *see under* Michael R. P., **265,** 463
Borek E. *see under* Sharma O. K., **265,** 748
Borst P. *see under* Fairlamb A. H., **265,** 270
Bos H. J. and van de Griend R. J. Virulence and toxicity of axenic *Entamoeba histolytica*. **265,** 341
Bouillon D. *see under* Resch K., **265,** 349
Bourne S. *see under* Bonaventura C., **265,** 474
Bowden K. *see under* Coulson C. J., **265,** 545
Bowers W. S. *see under* Pratt G. E., **265,** 548
Boyce J. M., Schaber G. G. and Dial A. L. Jr. Age of Luna 24 mare basalts based on crater studies. **265,** 38
Boyse E. A. *see under* Bennett D., **265,** 255
Bradford G. E. *see under* Eklund J., **265,** 48
Braun R. *see under* Darai G., **265,** 744
Bray G. M. *see under* Aguayo A. J., **265,** 73
Bricogne G. *see under* Winkler F. K., **265,** 509
Brighton F. and Horne M. T. Influence of temperature on cyanogenic polymorphisms. **265,** 437
Brimblecombe P. and Hunter K. A. Rock volatility and aerosol composition. *matters arising,* **265,** 761
Brock A. *see under* Hillhouse J. W., **265,** 411
Brocklehurst B. Ion-pair clusters and excited-state yields in radiolysis. **265,** 613
Brocklesby D. W. and Purnell R. E. Failure of BCG to protect calves against *Babesia divergens* infection. **265,** 343
Brook M. *see under* Clarkson P. D., **265,** 615
Brown A. M. *see under* Lee K. S., **265,** 753
Brown G. C. Mantle origin of cordilleran granites. **265,** 21
Brown M. C. and Ironton R. Motor neurone sprouting induced by prolonged tetrodotoxin block of nerve action potentials. **265,** 459
Brown N. L. *see under* Sanger F., **265,** 687
see under Smith M., **265,** 702
Brown N. L. and Smith M. DNA sequence of a region of the PhiX174 genome coding for a ribosome binding site. **265,** 695
Browne M. A. E. *see under* Andrews S. M., **265,** 529
Browning G. and Saunders P. F. Membrane localised gibberellins A_5 and A_4 in wheat chloroplasts. **265,** 375
Brunngraber E. G. *see under* Ehrlich Y. H., **265,** 238
Bubb M. O. *see under* Conradie J. D., **265,** 160
Buhler E. M., Jurik L. P., Voyame M. and Buhler U. K. Presumptive evidence of two active X chromosomes in somatic cells of a human female. **265,** 142
Buhler U. K. *see under* Buhler E. M., **265,** 142
Bulfield G. *see under* Kacser H., **265,** 262
Burger H. G. *see under* Healy D. L., **265,** 642
Burnett W. C. and Piper D. Z. Rapidly-formed ferromanganese deposit from the eastern Pacific Hess Deep. **265,** 596
Burton K. A. *see under* Ferguson D. R., **265,** 639
Butler P. J. G., Finch J. T. and Zimmern D. Configuration of tobacco mosaic virus RNA during virus assembly. **265,** 217
Cahn R. W. Metal bites metal. *news and views,* **265,** 11
Calandra R. *see under* Purvis K., **265,** 169
Calvert P. D. Environmental stress cracking. *news and views,* **265,** 104
Campion A., Terner J. and El-Sayed M. A. Time-resolved resonance Raman spectroscopy of bacteriorhodopsin. **265,** 659
Canuto V., Adams P. J., Hsieh S. H. and Tsiang E. Dirac's continuous creation cosmology and the temperature of the Earth. *matters arising,* **265,** 763
Caplan S. R. *see under* Sherman W. V., **265,** 273
Carle G. C. *see under* Oyama V. I., **265,** 110
Carlson A. D. *see under* Treherne J. E., **265,** 550
Carr B. *see under* de Asua L. J., **265,** 450
Case J. F., Warner J., Barnes A. T. and Lowenstine M. Bioluminescence of lantern fish (Myctophidae) in response to changes in light intensity. **265,** 179
Cattanach B. M. *see under* Bennett D., **265,** 255
Chader G. J. *see under* Bergsma D. R., **265,** 66
Chaloner W. G., Hill A. J. and Lacey W. S. First Devonian platyspermic seed and its implications in gymnosperm evolution. **265,** 233
Chamberlain W. M. and Marland G. Precambrian evolution in a stratified global sea. **265,** 135
Chang J. S. *see under* Duewer W. H., **265,** 523
Chilver H. Fitting Flixborough into a pattern. *news and views,* **265,** 494
Chinery W. A. and Ayitey-Smith E. Histamine blocking agent in the salivery gland homogenate of the tick *Rhipicephalus sanguineus sanguineus.* **265,** 366
Cho-Chung Y. S. and Clair T. Altered cyclic AMP-binding and db cyclic AMP-unresponsiveness *in vivo.* **265,** 452
Chopra D. P. and Wilkoff L. J. Beta-retinoic acid inhibits and reverses testosterone-induced hyperplasia in mouse prostate organ cultures. **265,** 339
Churaev N. V. *see under* Derjaguin B. V., **265,** 520
Cianciola L. J., Genco R. J., Patters M. T., McKenna J. and van Oss C. J. Defective polymorphonuclear leukocyte function in a human periodontal disease. **265,** 445
Clair T. *see under* Cho-Chung Y. S., **265,** 452
Clark D. H., McCrea W. H. and Stephenson F. R. Frequency of nearby supernovae and climatic and biological catastrophes. **265,** 318
Clarke A. E., Harrison S., Knox R. B., Raff J., Smith P. and Marchalonis J. J. Common antigens and male–female recognition in plants. **265,** 161
Clarkson P. D. and Brook M. Age and position of the Ellsworth Mountains crustal fragment, Antarctica. **265,** 615
Clayton D. D. and Ramadurai S. On presolar meteoritic sulphides. **265,** 427
Cleaver J. E. *see under* Wolff S., **265,** 347
Clingan D. *see under* de Asua L. J., **265,** 151
see under de Asua L. J., **265,** 450
Cloudsley-Thompson J. L. *book review of* Biology of the Reptilia (Gans C. C. and Dawson T. S., *Editors*) **265,** 388
Clowes A. W. and Karnowsky M. J. Suppression by Heparin of smooth muscle cell proliferation in injured arteries. **265,** 625
Cocke W. J. and Pocholczyk A. G. Variability of the BL Lacertae objects AO0235+164. **265,** 608
Cohen C. *see under* Mandelkow E.-M., **265,** 655
Cohen I. R. *see under* Steinman L., **265,** 173
Cohn D. V. *see under* Luben R. A., **265,** 629
Coleman P. *see under* Runcorn K., **265,** 197
Colette L. *see under* Gandini E., **265,** 65
Conconi F. *see under* Gandini E., **265,** 65
Conradie J. D. and Bubb M. O. $C\mu4$ domain of IgM has cytophilic activity for human lymphocytes. **265,** 160
Cook A. H. Moon measurements. *news and views,* **265,** 405
Cook B. *see under* Webb J. P. Jr., **265,** 443
Coombs T. J. *see under* Coulson C. J., **265,** 545
Cooper R. A. *see under* Laird M. G., **265,** 107
Coppey J. Common precursor pathways of Herpes DNA and of repair synthesis in ultraviolet-irradiated cells. **265,** 260
Cordey J. G. Fusion in Berchtesgaden. *news and views,* **265,** 102
Cosenza H., *see under* Julius M. H., **265,** 251
Coulson A. R. *see under* Smith M., **265,** 702
see under Sanger F., **265,** 687
Coulson C. J., Ford R. E., Marshall S., Walker J. L., Wooldridge K. R. H., Bowden K. and Coombs T. J. Interrelationship of cyclic nucleotides and anaphylactic reactions. **265,** 545
Cox A. *see under* Hillhouse J. W., **265,** 411
Cox B. Why marsupials can't win. *news and views,* **265,** 14
Cox B. M. *see under* Goldstein A., **265,** 302
Cox R. P. *see under* Lieblich J. M., **265,** 746
Crane P., Tammann G. A. and Woltjer L. Limit on the frequency of intergalactic supernovae. **265,** 124
Crawford C. L., Hardwicke P. M. D., Evans D. H. L. and Evans E. M. Granulomatous hypersensitivity induced by sensory peripheral nerve. **265,** 457
Curman B. *see under* Klareskog L., **265,** 248
Curzon G. *see under* Hutson P. H., **265,** 277
Daehler M. *see under* Shivanandan K., **265,** 513
Dahl H. H. M. *see under* Blair G. E., **265,** 651
Dallapiccola B. *see under* Gandini E., **265,** 65
Dancis J. *see under* Anderson L., **265,** 461
Daniel R. R. *see under* Badhwar G. D., **265,** 424
Darai G., Braun R., Flugel R. M. and Munk K. Malignant transformation of rat embryo fibroblasts by herpes simplex virus types 1 and 2 at suboptimal temperature. **265,** 744
David K. A. V. *see under* Bhattacharjee S. K., **265,** 183
Davies M. J. *see under* Rowland I. R., **265,** 718
Davis A. M., Grossman L. and Ganapathy R. Yes, Kakangari is a unique chondrite. **265,** 230
de Asua L. J., Carr B., Clingan D. and Rudland P. Specific glucocorticoid inhibition of growth promoting effects of prostaglandin F_{2alpha} on 3T3 cells. **265,** 450
de Asua L. J., O'Farrell M., Bennett D., Clingan D. and Rudland P. Interaction of two hormones and their effect on observed rate of initiation of DNA synthesis in eTe cells. **265,** 151
de Bruin G. *see under* van den Berg R. J., **265,** 177
de la Chapelle A. *see under* Ruutu P., **265,** 146
de Picker A. *see under* Genetello G., **265,** 561
de Roeper A., Smith J. A., Watt R. A. and Barry J. M. Chromatin dispersal and DNA synthesis in G1 and G2 HeLa cell nuclei injected into *Xenopus* eggs. **265,** 469
Degens E. T. Man's impact on nature. *news and views,* **265,** 14
Del Senno L. *see under* Gandini E., **265,** 65
Derjaguin B. V., Rabinovich Y. I. and Churaev N. V. Measurement of forces of molecular attraction of crossed fibres as a function of width of air gap. **265,** 520
Dial A. L. Jr. *see under* Boyce J. M., **265,** 38
Diesl V. K. *see under* Kass-Simon G., **265,** 75
Diver W. L. *see under* Walker R. N., **265,** 526
Dodson P. *see under* Spotila J. R., **265,** 235
Doll R. Strategy for detection of cancer hazards to man. *review article,* **265,** 589
Downes S. *see under* Lamont B. B., **265,** 438
Drummond J. W., Rosen J. M. and Hofmann D. J. Balloon-borne chemiluminescent measurement of NO to 45 km. **265,** 319
Drysdale J. W. *see under* Hazard J. T., **265,** 755

Ducruix A. *see under* Prange T., **265**, 189
Duewer W. H., Wuebbles D. J. and Chang J. S. Effect of NO photolysis on NO$_x$ mixing ratios, **265**, 523
Duncker M. *see under* Kaeser H., **265**, 262
Durr R., Shur B. and Roth S. Sperm-associated sialyltransferase activity, **265**, 517
Dyer T. G. J. *see under* Gilhooly J. F., **265**, 434
Eades A. Three years after Allende, *news*, **265**, 486
Edgington J. A. More Luna results, *news and views*, **265**, 586
Edmonds J. S. and Francesconi K. A. Methylated arsenic from marine fauna, **265**, 436
Edmunds M. G. Hot white dwarfs and the EUV, *news and views*, **265**, 587
Edzes H. T. and Samulski E. T. Cross relaxation and spin diffusion in the proton NMR of hydrated collagen, **265**, 521
Egan R. W. *see under* Kuehl F. A. Jr, **265**, 170
Eglinton G. and Maxwell J. R. Mars: questions and answers from Viking, *news and views*, **265**, 493
Ehrlich Y. H., Brunngraber E. G., Sinha P. K. and Prasad K. N. Specific alterations in phosphorylation of cytosol proteins from differentiating neuroblastoma cells grown in culture, **265**, 238
Eklund J. and Bradford G. E. Longevity and lifetime body weight in mice selected for rapid growth, **265**, 48
Elharrar M. *see under* Aubertin A.-M., **265**, 456
Elliot J. L., Veverka J. and Millis R. L. Uranus occults SAO158687, **265**, 609
Ellis R. S., Fong R. and Phillipps S. On the optical observation of galaxies with large redshifts, **265**, 313
Ellison R. A. *see under* Lake R. D., **265**, 663
El-Sayed M. A. *see under* Campion A., **265**, 659
Englander J. J. and Englander S. W. Comparison of bacterial and animal rhodopsins by hydrogen exchange studies, **265**, 658
Englander S. W. *see under* Englander J. J., **265**, 658
Epstein R. I. and Geller M. J. A model for superlight velocities of extragalactic radio sources, **265**, 219
Erdmann G. *see under* Green J., **265**, 370
Erickson R. P. Androgen-modified expression compared with Y linkage of male specific antigen, **265**, 59
Eschle J. L., Miller J. A. and Schmidt C. D. Insect growth regulator and sterile males for suppression of horn flies, **265**, 325
Esser K. and Tudzynski P. Prevention of senescence in the ascomycete *Podospora anserina* by the antibiotic timulin, **265**, 454
Evans D. A. *see under* Lumsden W. H. R., **265**, 389
Evans D. H. L. *see under* Crawford C. L., **265**, 457
Evans E. M. *see under* Crawford C. L., **265**, 457
Fabian A. Cosmic X- and gamma-ray line radiation, *news and views*, **265**, 296
Fain G. L., Granda A. M. and Maxwell J. H. Voltage signal of photoreceptors at visual threshold, **265**, 181
Fairbridge R. W. Global climate change during the 13,500-b.p. Gothenburg geomagnetic excursion, **265**, 430
Fairlamb A. H., Opperdoes F. R. and Borst P. New approach to screening drugs for activity against African trypanosomes, **265**, 270
Falke D. *see under* Pfizenmaier K., **265**, 630
Fay F. S. Isometric contractile properties of single isolated smooth muscle cells, **265**, 553
Felice A. *see under* Huisman T. H. J., **265**, 63
Feo C. and Mohandas N. Clarification of role at ATP in red-cell morphology and function, **265**, 166
Ferguson D. R. and Burton K. A. Reconstitution in phospholipid vesicles of a glucose transport system from pig small intestine, **265**, 639
Fernstrom J. D., Munro H. N. and Wurtman R. J. Brain tryptophan in rats on a high fat diet, *matters arising*, **265**, 277
Ferris S. D. and Whitt G. S. Loss of duplicate gene expression after polyploidisation, **265**, 258
Fewtrell C. M. S. and Gomperts B. D. Effect of flavone inhibitors of transport ATPases on histamine secretion from rat mast cells, **265**, 635
Fiddes J. C. *see under* Sanger F., **265**, 687
Field C. D. Ultrasonic assessment of arterial pathways, *news and views*, **265**, 207
Finch J. T. *see under* Butler P. J. G., **265**, 217
Fine D. H., Ross R., Rounbehler D. P., Silvergleid A. and Song L. Formation *in vivo* of volatile *N*-nitrosamines in man after ingestion of cooked bacon and spinach, **265**, 753
Fisher D. E. Fission-alpha analysis of the U, Th families, **265**, 227
Flugel R. M. *see under* Darai G., **265**, 744
Folstein S. and Rutter M. Genetic influences and infantile autism, **265**, 726
Fong R. *see under* Ellis R. S., **265**, 313
Forabosco A. *see under* Gandini E., **265**, 65
Ford R. E. *see under* Coulson C. J., **265**, 345
Foster P. and Hunt D. T. E. Surface circulation in Liverpool Bay, **265**, 129
Fowler S. W. and Beasley T. M. Plutonium and americium in fish, *matters arising*, **265**, 384
Fox J. E. D. *see under* Lamont B. B., **265**, 438
Fraccaro M., Tiepolo L., Laudani U., Marchi A. and Jayakar S. D. Y chromosome controls mating behaviour in *Anopheles* mosquitoes, **265**, 326
Francesconi K. A. *see under* Edmonds J. S., **265**, 436
Francis R. L. 22k Hz calls by isolated rats, **265**, 236
Fraser D. G. *see under* Jelley N. A., **265**, 35
Freeman C. P. V. *see under* Uchida I. A., **265**, 186
Fried R. C. *see under* Kenrick N. C., **265**, 246
Funahashi M. *see under* Bergsma D. R., **265**, 66
Futterman S. *see under* Blum K., **265**, 49
Ganapathy R. *see under* Davis A. M., **265**, 230
Gandini E., Dallapiccola B., Collette L., Suerinc E. F., Forabosco A., Conconi F. and Del Senno L. Evidence for localisation of genes for human alpha-globin on the long arm of chromosome 4, **265**, 65
Garcia-Munoz M., Nicolaou N. M., Tulloch I. F. Wright A. K. and Arbuthnott G. W. Feedback loop or output pathway in striato-nigral fibres? **265**, 363
Garner L. L. *see under* Moriarty G. C., **265**, 356
Garrod D. R. and Forman D. Pattern formation in the absence of polarity in *Dictyostelium discoideum*, **265**, 144
Gass I. G. The age and extent of the Red Sea oceanic crust, **265**, 722
Gasse F. Evolution of Lake Abhe (Ethiopia and TFAI), from 70,000 b.p., **265**, 42
Gasser D. L. *see under* Goldman A. S., **265**, 643
Geder L. and Rapp F. Evidence for nuclear antigens in cytomegalovirus-transformed human cells, **265**, 184
Evidence for nuclear antigens in cytomegalovirus-transformed human cells, **265**, 184
Geller M. J. *see under* Epstein R. I., **265**, 219
Gemsa D. *see under* Resch K., **265**, 349
Genco R. J. *see under* Cianciola L. J., **265**, 445
Genetello C., Van Larebeke N., Holsters M., de Picker A., Van Montagu M. and Schell J. Ti plasmids of *Agrobacterium* as conjugative plasmids, **265**, 561
George J. E. *see under* Webb J. P. Jr., **265**, 443
Ghosh N. K. *see under* Liebich J. M., **265**, 746
Ghysel-Burton J. *see under* Godfraind T., **265**, 165
Giannelli F., Benson P. F., Pawsey S. A. and Polani P. E. Ultraviolet light sensitivity and delayed DNA-chain maturation in Bloom's syndrome fibroblasts, **265**, 466
Gibor A. *see under* Solter K. M., **265**, 444
Gibson I. L. *see under* Thorpe R. S., **265**, 724
Gillespie E. *see under* Schellenberg R. R., **265**, 741
Gillis W. T. *see under* Henkin R. I., **265**, 536
Gilloolyj. F. and Dyer T. G. J. Structural relationships between corn yield and weather, **265**, 434
Giorgi O. *see under* Langer S. Z., **265**, 648
Gipson T. G. *see under* Martin W. J., **265**, 738
Glickman R. D. and Pomeranz B. Frog retinal ganglion cells show species differences in their optimal stimulus sizes, **265**, 51
Glover V., Sandler M., Owen F. and Riley G. J. Dopamine is a monoamine oxidase B substrate in man, **265**, 80
Gorlich E. *see under* Blaszczak K., **265**, 39
Godfraind T. and Ghysel-Burton J. Binding sites related to ouabain-induced stimulation or inhibition of the sodium pump, **265**, 165
Goding J. W. see under Warner N. L., **265**, 447
Goff C. G. How does T4 turn off *E. coli*? *news and views*, **265**, 583
Golden M. H. N. and Jackson A. A. Tissue enrichments and protein turnover measured with ^{15}N-glycine, **265**, 563
Goldman A. S., Katsumata M., Yaffe S. J. and Gasser D. L. Palatal cytosol cortisol-binding protein associated with cleft palate susceptibility and *H−2* genotype, **265**, 645
Goldstein A., Cox B. M., Klee W. A. and Nirenberg M. Endorphin from pituitary inhibits cyclic AMP formation in homogenates of neuroblastoma × glioma hybrid cells, **265**, 362
Gomperts B. D. *see under* Fewtrell C. M. S., **265**, 635
Goode J. E. Use of mechanical barriers instead of guard rows in field experiments, *matters arising*, **265**, 383
Gophen M. Feeding of *Daphnia* on *Chlamydomonas* and *Chlorobium*, **265**, 271
Goreau T. J. Quantitative effects of sediment mixing on stratigraphy and biochemistry: a signal theory approach, **265**, 525
Gozzoli F. *see under* Maraini G., **265**, 68
Granda A. M. *see under* Fain G. L., **265**, 181
Grant I. P. and Pyper N. C. Theoretical chemistry of superheavy elements E116 and E114, **265**, 715
Grassle J. F. Slow recolonisation of deep-sea sediment, **265**, 618
Grasso P. *see under* Rowland I. R., **265**, 718
Greaves M. F. Membrane receptor — adenylate cyclase relationships, *news and views*, **265**, 681
Green H. *see under* Rheinwald J. G., **265**, 421
Green J., Erdmann G., and Welhöner H. H. Is there retrograde axonal transport of tetanus toxin in both alpha and gamma fibres? **265**, 370
Gregoriadis G. Targeting of drugs, *review article*, **265**, 407
Gregory A. and Klein A. O. Phytochrome-initiated fast rhythm controlling developmental response, **265**, 335
Grilli S. *see under* Artellini G., **265**, 377
Grimaldi J. J., Boileau S. and Lehn J.-M. Light-driven, carrier-mediated electron transfer across artificial membranes, **265**, 229
Grinnell A. D., Rheuben M. B. and Letinsky M. S. Mutual repression of synaptic efficacy by pairs of foreign nerves innervating frog skeletal muscle, **265**, 368
Grinsted M. J. *see under* Wilson A. T., **265**, 133
Grossman L. *see under* Davis A. M., **265**, 230
Grubb W. T. Cadmium metal embrittlement of Zircaloy−2, **265**, 36
Grynpas M. Three-dimensional packing of collagen in bone, **265**, 381
Guidotti A. *see under* Biggio G., **265**, 240
Gustafson E. P. *see under* Tedford R. H., **265**, 621
Gutman G. A. *see under* Warner N. L., **265**, 447
Hadam M. *see under* Saal J. G., **265**, 158
Hales A. *see under* Pontecorvo G., **265**, 257
Hall A. J. *see under* Thorpe S. A., **265**, 719
Halstead S. B. and O'Rourke E. J. Antibody-enhanced dengue virus infection in primate leukocytes, **265**, 739
Ham E. A. *see under* Kuehl F. A. Jr, **265**, 170
Hamilton P. A., McCulloch P. M., Manchester R. N., Ables J. G. and Komesaroff M. M. Detection of change in rotation measure of the Vela pulsar, **265**, 224
Hand W. L., King N. L., Johnson J. D. and Lowe D. A. Requirement for magnesium influx in activation of alveolar macrophages mediated by ionophore A23187, **265**, 543
Hardwicke P. M. D. *see under* Crawford C. L., **265**, 457
Harris C. M. *see under* Sack R. A., **265**, 465
Harrison B. D. *see under* Salazar L. F., **265**, 337
Harrison S. *see under* Clarke A. E., **265**, 161
Harrison S. C. *see under* Winkler F. K., **265**, 509
Harwell L., Marrack P. and Kappler J. W. Suppressor T-cell inactivation of a helper T-cell factor, **265**, 57
Hattori K. *see under* Kitao T., **265**, 81
Hawkins M. R. S. and Martin R. A method for determining the cosmological deceleration parameter q, **265**, 711
Hazard J. T. and Drysdale J. W. Ferritinaemia in cancer, **265**, 755
Head R. N. *see under* Pingree R. D., **265**, 266
Healy D. L., Muller H. K. and Burger H. G. Immunofluorescence shows localisation of prolactin to human amnion, **265**, 642
Hearn J. P. *see under* Hodges J. K., **265**, 746
Heath J. K. Morphogenesis of the mammary gland, *news and views*, **265**, 587
Henkin R. I. and Gillis W. T. Divergent taste responsiveness to fruit of the tree *Antidesma bunius*, **265**, 536
Herrmann L. *see under* Anderson L., **265**, 461
Herzenberg L. A. *see under* Warner N. L., **265**, 447
Hey R. W. *see under* Rose J., **265**, 668
Hill A. J. *see under* Chaloner W. G., **265**, 233
Hillhouse J. W., Ndombi J. W. M., Cox A. and Brock A. Additional results on palaeomagnetic stratigraphy of the Koobi Formation, East of Lake Turkana (Lake Rudolf), Kenya, **265**, 411
Hobom G. *see under* Scherer G., **265**, 117
Hodges J. K. and Hearn J. P. Effects of immunisation against luteinising hormone-releasing hormone on reproduction of the marmoset monkey *Callithrix jacchus*, **265**, 746
Hodgson P. E. Bleak outlook for superheavy nuclei, *news and views*, **265**, 496
Energetic nuclear collisions, *news and views*, **265**, 105
Nucleon coalescence, *news and views*, **265**, 210
Hofmann D. J. *see under* Drummond J. W., **265**, 349
Hogan B. and Tilly R. *In vitro* culture and differentiation of normal mouse blastocysts, **265**, 626
Holbrow C. H. Haloes from plutonium minerals and fission, **265**, 504
Holland I. B. and Pritchard R. H. Membrane-bound proteins, *news and views*, **265**, 403
Holligan P. M. *see under* Pingree R. D., **265**, 266
Hollis D. P. *see under* Jacobus W. E., **265**, 756
Holsters M. *see under* Genetello C., **265**, 561
Holt S. S. *see under* Kaluzienski L. J., **265**, 606
Horne M. T. *see under* Brighton F., **265**, 437
Hsieh S. H. *see under* Canuto V., **265**, 763
Hughes A. R. and Tobias P. V. A fossil skull probably of the genus *Homo* from Sterkfontein, Transvaal, **265**, 310
Hughes D. W. Nova Sagittae 1977 and Vulpeculae 1976, *news and views*, **265**, 500
Planetary alignments don't cause earthquakes, *news and views*, **265**, 13
Huisman T. H. J., Schroeder W. A., Felice A., Powards D. and Ringelhann B. Anomaly in the gamma chain heterogeneity of the newborn, **265**, 63
Hull R. Viroids are covalently closed circular RNA, *news and views*, **265**, 497
Humes J. L. *see under* Kuehl F. A. Jr, **265**, 170
Hunt D. T. E. *see under* Foster P., **265**, 129
Hunter K. A. *see under* Brimblecombe P., **265**, 761
Hutchison C. A., III. *see under* Sanger F., **265**, 687
see under Smith M., **265**, 702
Hutson P. H., Knott P. J. and Curzon G. Brain tryptophan in rats on a high fat diet — Reply, *matters arising*, **265**, 277
Huxtable J. and Aitken M. J. Thermoluminescent dating of Lake Mungo geomagnetic polarity excursion, **265**, 40
Ibrahim L. and Wright E. A. Inductive capacity of irradiated dermal papillae, **265**, 733
Ironton R. *see under* Brown M. C., **265**, 459
Ito K., Matsumoto T. and Uyama K. Infrared profile of central region of our Galaxy at 2.47 um, **265**, 517
Jackson A. A. *see under* Golden M. H. N., **265**, 563
Jacobus W. E., Taylor G. J. IV, Hollis D. P. and Nunnally R. L. Phosphorus nuclear magnetic resonance of perfused working rat hearts, **265**, 756
Jaffe L. F. Electrophoresis along cell membranes, **265**, 600
Jago J. B. *see under* Laird M. G., **265**, 107
Jamieson R. A. The first metamorphic sodic amphibole identified from the Newfoundland Appalachians — its occurrence, composition and possible tectonic implications, **265**, 428
Jayakar S. D. *see under* Fraccaro M., **265**, 326
Jayawardena A. N. and Waksman B. H. Suppressor cells in experimental trypanosomiasis, **265**, 539
Jelley N. A., Jones G. A., Pilt A. A., Silver J. D., Arden J. W., Fraser D. G. and Whittaker E. J. W. Search for superheavy elements in monazite by Rutherford backscattering, **265**, 35
Jen P. H. S. and Ostwald J. Response of cricothyroid muscles to frequency-modulated sounds in FM bats, *Myotis lucifugus*, **265**, 77
Jensen E. B. *see under* Scott J. S., **265**, 123

Joachim H. L., Pearse A. and Keller S. E. Antigenic deletion and malignant enhancement induced in lymphoma cells by passage through X-irradiated hosts, **265,** 55
Johnson H. M. Cyclic AMP regulation of mitogen-induced interferon production and mitogen suppression of immune response, **265,** 154
Johnson J. D. *see under* Hand W. L., **265,** 543
Johnson L. C. *see under* Moses J., **265,** 360
Jones G. A. *see under* Jelley N. A., **265,** 35
Jones M. D. R. Control of flight activity in mosquitoes — Reply, *matters arising*, **265,** 762
Josefowicz W. J. *see under* Wassarman P. M., **265,** 742
Josephs R. *see under* Schmitt H., **265,** 653
Joss P. C. and Rappaport S. A simple physical model for X-ray burst sources, **265,** 222
Joyce T. M. and Patterson S. L. Cyclonic ring formation at the polar front in the Drake Passage, **265,** 131
Judah D. J., Legg R. F. and Neal G. E. Development of resistance to cytotoxicity during aflatoxin carcinogenesis, **265,** 343
Jukes T. H. Agriculture 1977, *news*, **265,** 491
Julius M. H., Augustin A. A. and Cosenza H. Recognition of a naturally occurring idiotype by autologous T cells, **265,** 251
Jurik L. P. *see under* Buhler E. M., **265,** 142
Kacser H., Mya K. M., Duncker M., Wright A. F., Bulfield G., McLaren A. and Lyon M. F. Maternal histidine metabolism and its effect on foetal development in the mouse, **265,** 262
Kahn C. R. *see under* Bar R. S., **265,** 632
Kalashnikov V. V. *see under* Tatarinov Y. S., **265,** 638
Kallos J. Photochemical attachment of cyclic AMP binding protein(s) to the nuclear genome, **265,** 705
Kaluzienski L. J., Holt S. S., Boldt E. A. and Serlemitsos P. J. Recurrent X-ray outbursts from Aquila X-1, **265,** 606
Kanai Y., Kawaminami Y., Miwa M., Matsishima T., Sugimura T., Moroi Y. and Yokohari R. Naturally-occurring antibodies to poly(ADP-ribose) in patients with systemic lupus erythematosus, **265,** 175
Karcz I., Neev D. and Zak I. Dating earthquakes by mud profiles of lake sediments, *matters arising*, **265,** 278
Karnovsky M. J. *see under* Wassarman P. M., **265,** 742
Karnowsky M. J. *see under* Clowes A. W., **265,** 625
Kass-Simon G. and Diesl V. K. Spontaneous and evoked potentials from dissociated epithelial cells of *Hydra*, **265,** 75
Katsumata M. *see under* Goldman A. S., **265,** 643
Kaufman M. H., Barton S. C. and Surani M. A. H. Normal postimplantation development of mouse parthenogenetic embryos to the forelimb bud stage, **265,** 53
Kawaminami Y. *see under* Kanai Y., **265,** 175
Keeton W. T. *see under* Yodlowski M. L., **265,** 725
Keller S. E. *see under* Joachim H. L., **265,** 55
Kelus A. S. and Weiss S. Variant strain of rabbits lacking immunoglobulin kappa polypeptide chain, **265,** 156
Kenakin T. P. and Black J. W. Can chloropractolol alkylate beta adrenoceptors? **265,** 365
Kendrick N. C., Glaustein M. P., Fried R. C. and Ratzlaff R. W. ATP-dependent calcium storage in presynaptic nerve terminals, **265,** 246
Kerr A. *see under* Roberts W. P., **265,** 379
Kerr A., Manigault P. and Tempé J. Transfer of virulence *in vivo* and *in vitro* in *Agrobacterium*, **265,** 560
Key P. J. and Preston R. C. Vacuum ultraviolet radiation scales, **265,** 717
King N. L. *see under* Hand W. L., **265,** 543
Kirn A. *see under* Aubertin A.-M., **265,** 456
Kitao T. and Hattori K. Concanavalin A as a carrier of daunomycin, **265,** 81
Klareskog L., Sandberg-Tragardh L., Rask L., Lindblom J. B., Curman B. and Peterson P. A. Chemical properties of human Ia antigens, **265,** 248
Klee W. A. *see under* Goldstein A., **265,** 362
Klein A. O. *see under* Gregory A., **265,** 335
Kliore A. J. Verification by Viking Landers of earlier radio occultation measurements of surface atmospheric pressure on Mars, **265,** 34
Kloft W. J. *see under* Bhatkar A. P., **265,** 140
Klukas C. K. Regulating gene expression in differentiation, *news and views*, **265,** 297
Knight P. Dynamic Stark splitting, *news and views*, **265,** 684
Knight-Jones E. W. *see under* Al-Ogily S. M., **265,** 728
Knox R. B. *see under* Clarke A. E., **265,** 161
Knox R. W. O'B. Upper Jurassic pyroclastic rocks in Skye, west Scotland, **265,** 323
Kössei H. *see under* Scherer G., **265,** 117
Komesaroff M. M. *see under* Hamilton P. A., **265,** 224
Konotey-Ahulu F. I. D. *see under* Bonney G. E., **265,** 46
Koren H. S. *see under* Bar R. S., **265,** 632
Kosunen T. U. *see under* Ruutu P., **265,** 146
Kovács L. and Schneider M. F. Increased optical transparency associated with excitation–contraction coupling in voltage-clamped cut skeletal muscle fibres, **265,** 556
Krebs J. Economics of aggression, *news and views*, **265,** 12
Krebs W. N. *see under* Lipps J. H., **265,** 232
Kreithen M. L. *see under* Yodlowski M. L., **265,** 725
Krouse H. R., Sulphur isotope abundances elucidate uptake of atmospheric sulphur emissions by vegetation, **265,** 45
Kuehl F. A. Jr, Humes J. L., Egan R. W., Ham E. A., Beveridge G. C. and Van Arman C. G. Role of prostaglandin endoperoxide PGG_2 in inflammatory processes, **265,** 170
Kumar V. and Bennett M. H–2 compatibility requirements for T suppressor cell functions induced by Friend Leukaemia virus, **265,** 345
Kuwabara T. *see under* Bergsma D. R., **265,** 66
Lacey W. S. *see under* Chaloner W. G., **265,** 233
Laird M. G., Cooper R. A. and Jago J. B. New data on the lower Palaeozoic sequence of northern Victoria Land, Antarctica, and its significance for Australian–Antarctic relations in the Palaeozoic, **265,** 107
Lake R. D., Ellison R. A. and Moorlock B. S. P. Middle Pleistocene stratigraphy in southern East Anglia, *matters arising*, **265,** 663
Lamont B. B., Downes S. and Fox J. E. D. Importance-value curves and diversity indices applied to a species-rich heathland in Western Australia, **265,** 438
Langer S. Z., Adler-Graschinsky E. and Giorgi O. Physiological significance of alpha-adrenoceptor-mediated negative feedback mechanism regulating noradrenaline release during nerve stimulation, **265,** 648
Last F. T. *see under* Mason P. A., **265,** 334
Laudani U. *see under* Fraccaro M., **265,** 326
Lawrence P. A. *see under* Morata G., **265,** 221
Lawton J. H. and Schroder D. Effects of plant type, size of geographical range and taxonomic isolation on number of insect species associated with British plants, **265,** 137
Lee K. S., Akaike N. and Brown A. M. Trypsin inhibits the action of tetrodotoxin on neurones, **265,** 751
Legg R. F. *see under* Judah D. J., **265,** 343
Leggett A. J. Breakdown of superfluidity in liquid helium, **265,** 683
Lehn J.-M. *see under* Grimaldi J. J., **265,** 229
Lelong J. C. *see under* Blair G. E., **265,** 651
Letinsky M. S. *see under* Grinnell A. D., **265,** 368
Levy E. H. The cause of Forbush's 20-year wave — Reply, *matters arising*, **265,** 664
Lieblich J. M., Weintraub B. D., Rosen S. W., Ghosh N. K. and Cox R. P. Secretion of HCG-alpha subunit and HCG by HeLa strains, **265,** 746
Lifshitz F. *see under* Wapnir R. A., **265,** 647
Light W. G. and Wei E. T. Surface charge and asbestos toxicity, **265,** 537
Lindblom J. B. *see under* Klareskog L., **265,** 248
Lipps J. H., Krebs W. N. and Temnikow N. K. Microbiota under Antarctic ice shelves, **265,** 232
Logan J. M. Animal behaviour and earthquake prediction, *news and views*, **265,** 404
Loken M. R. *see under* Warner N. L., **265,** 447
Loo W. V. D. *see under* Warner N. L., **265,** 447
Lotay S. S. and Speakman P. T. Three-chain merokeratin from wool may be a fragment of the microfibril component macromolecule, **265,** 274
Lovett M. B. *see under* Pentreath R. J., **265,** 384
Lowe D. A. *see under* Hand W. L., **265,** 543
Lowenstine M. *see under* Case J. F., **265,** 179
Luben R. A., Wong G. L. and Cohn D. V. Parathormone-stimulated resorption of devitalised bone by cultured osteoclast-type bone cells, **265,** 629
Lubin A. *see under* Moses J., **265,** 360
Lunel J. *see under* Prange T., **265,** 189
Lyon M. F. *see under* Kacser H., **265,** 262
Lysik R. *see under* Zucker S., **265,** 736
MacFadden B. J. and Skinner M. F. Earliest known *Hipparion* from Holarctica, **265,** 532
Madden J. IV, Akil H., Patrick R. L. and Barchas J. D. Stress-induced parallel changes in central opioid levels and pain responsiveness in the rat, **265,** 358
Maihara M. *see under* Okuda H., **265,** 515
Maiorana V. C. Tail autotomy, functional conflicts and their resolution by a salamander, **265,** 533
Manchester R. N. *see under* Hamilton P. A., **265,** 224
Mandelkow E. *see under* Mandelkow E.-M., **265,** 655
Mandelkow E.-M., Mandelkow E., Unwin N. and Cohen C. Tubulin hoops, **265,** 655
Manigault P. *see under* Kerr A., **265,** 560
Maraini G., Ottonello S., Gozzoli F. and Merli A. Identification of a membrane protein binding the retinol in retinal pigment epithelium, **265,** 68
Marchalonis J. J. *see under* Clarke A. E., **265,** 161
Marchi A. *see under* Fraccaro M., **265,** 326
Markham C. G. and McLain D. R. Sea surface temperature related to rain in Ceará, north-eastern Brazil, **265,** 320
Marland G. *see under* Chamberlain W. M., **265,** 135
Marshall S. *see under* Coulson C. J., **265,** 545
Martin E. S. *see under* Stevens R. A., **265,** 331
Martin P. G., Maza J. and Angel J. R. P. The polarisation of nova Vulpeculae, **265,** 314
Martin R. *see under* Hawkins M. R. S., **265,** 711
Martin W. J., Gipson T. G. and Rice J. M. H-2^a-associated alloantigen expressed by several transplacentally induced lung tumours of C3Hf mice, **265,** 738
Mason P. A. Pelham J. and Last F. T. Stem anatomy and sheathing mycorrhizas in the *Betula verrucosa–Amanita muscaria* relationship, **265,** 334
Mathieson B. J. *see under* Bennett D., **265,** 255
Matshshima T. *see under* Kanai Y., **265,** 175
Matsumoto T. *see under* Ito K., **265,** 517
Matsumura P., Silverman M. and Simon M. Cloning and expression of the flagellar hook gene on hybrid plasmids in minicells, **265,** 758
Maxwell J. H. *see under* Fain G. L., **265,** 181
Maxwell J. R. *see under* Eglinton G., **265,** 493
May R. M. Exploiting exotic plants, *news and views*, **265,** 209
Nations and numbers 1976, *news and views*, **265,** 101
Maza J. *see under* Martin P. G., **265,** 314
McCrea W. H. *see under* Clark D. H., **265,** 318
McCulloch P. M. *see under* Hamilton P. A., **265,** 224
McKenna J. *see under* Cianciola L. J., **265,** 445
McKenzie D. R. and McPhedran R. C. Exact modelling of cubic lattice permittivity and conductivity, **265,** 128
McLain D. R. *see under* Markham C. G., **265,** 320
McLaren A. *see under* Kacser H., **265,** 262
McNutt D. P. *see under* Shivanandan K., **265,** 513
McPhedran R. C. *see under* McKenzie D. R., **265,** 128
Mellanby K. Close to the hedge, *news*, **265,** 581
Effective science, *news*, **265,** 290
Shetland's oil, *news*, **265,** 9
Merli A. *see under* Maraini G., **265,** 68
Michael J. G. *see under* Zimmerman E. F., **265,** 354
Michael R. P. and Bonsall R. W. Peri-ovulatory synchronisation of behaviour in male and female rhesus monkeys, **265,** 463
Miley G. K. *see under* van Breugel W. J. M., **265,** 315
Miller J. A. *see under* Eschle J. L., **265,** 325
Millis R. L. *see under* Elliot J. L., **265,** 609
Milner A. Early assemblage of Carboniferous amphibians, *news and views*, **265,** 495
Triassic extinction or Jurassic vacuum? *news and views*, **265,** 402
Milsten C. *see under* Adetugbo K., **265,** 299
Mirelman D. *see under* Ofek I., **265,** 623
Miwa M. *see under* Kanai Y., **265,** 175
Moak S. A. *see under* Wapnir R. A., **265,** 647
Model P. *see under* Ravetch J. V., **265,** 698
Mohandas N. *see under* Feo C., **265,** 166
Mollon J. D. and Polden P. G. Saturation of retinal cone mechanism, **265,** 243
Monk M. and Petzoldt U. Control of inner cell mass development in cultured mouse blastocysts, **265,** 338
Moore P. D. Restating the self-thinning rule, *news and views*, **265,** 295
Moore W. J. *see under* Shivanandan K., **265,** 513
Moorlock B. S. P. *see under* Lake R. D., **265,** 663
Morariu V. V. *see under* Benga G., **265,** 636
Morata G. and Lawrence P. A. Homoeotic genes, compartments and cell determination in *Drosophila*, *review article*, **265,** 221
Moriarty G. C. and Garner L. L. Immunocytochemical studies of cells in the rat adenohypophysis containing both ACTH and FSH, **265,** 356
Morino M. *see under* Toyoshima Y., **265,** 187
Moroi Y. *see under* Kanai Y., **265,** 175
Moses J., Lubin A., Johnson L. C. and Naitoh P. Rapid eye movement cycle is a sleep-dependent rhythm, **265,** 360
Motoki H. *see under* Toyoshima Y., **265,** 187
Muir M. D. *see under* Walker R. N., **265,** 526
Muller H. K. *see under* Healy D. L., **265,** 642
Munk K. *see under* Darai G., **265,** 744
Munro H. N. *see under* Fernstrom J. D., **265,** 277
Murakami A. *see under* Shingyoji C., **265,** 269
Musgrove P. J. Energy analysis of wave and wind-power systems — Reply, *matters arising*, **265,** 383
Mushotzky R. F. Observational consequences of synchrotron self-Compton models of compact extragalactic X-ray sources, **265,** 225
Mutt V. *see under* Said S. I., **265,** 84
Mya K. M. *see under* Kacser H., **265,** 262
Naess O. *see under* Purvis K., **265,** 169
Naitoh P. *see under* Moses J., **265,** 360
Ndombi J. W. M. *see under* Hillhouse J. W., **265,** 411
Neal G. E. *see under* Judah D. J., **265,** 343
Neev D. *see under* Karcz I., **265,** 277
Nicolaou N. M. *see under* Garcia-Munoz M., **265,** 363
Nicoll R. A. Excitatory action of TRH on a spinal motoneurones, **265,** 242
Nirenberg M. *see under* Goldstein A., **265,** 362
Nissani M. Cell lineage analysis of germ cells of *Drosophila melanogaster*, **265,** 729
Nunnally R. L. *see under* Jacobus W. E., **265,** 756
Oda N. *see under* Okuda H., **265,** 515
O'Farrell M. *see under* de Asua L. J., **265,** 151
Ofek I., Mirelman D. and Sharon N. Adherence of *Escherichia coli* to human muscosal cells mediated by mannose receptors, **265,** 623
Okuda H., Maihara M., Oda N. and Sugiyama T. 2.4-Um mapping of the galactic central region, **265,** 515
Olsen P. J. *see under* Hutson P. H., **265,** 277
Opperdoes F. R. *see under* Fairlamb A. H., **265,** 270
O'Rourke E. J. *see under* Halstead S. B., **265,** 739
Osborne B. A. *see under* Warner N. L., **265,** 447
Ostwald J. *see under* Jen P. H. S., **265,** 77
Ottonello S. *see under* Maraini G., **265,** 68
Owen F. *see under* Glover V., **265,** 80
Oyama V. I., Berdahl B. J. and Carle G. C. Preliminary findings of the Viking gas exchange experiment and a model for Martian surface chemistry, **265,** 110
Packer C. Reciprocal altruism in *Papio anubis*, **265,** 441
Painter R. B. Rapid test to detect agents that damage human DNA, **265,** 650
Pallister W. S. *see under* Scarrott S. M., **265,** 32
Panchen A. L. *see under* Andrews S. M., **265,** 529
Parsons P. A. and Bock I. R. Lek behaviour in tree species of the subgenus *Hirtodrosophila* of Australian *Drosophila*, **265,** 48
Pascard C. *see under* Prange T., **265,** 189
Patrick R. L. *see under* Madden J., **265,** 358
Patters P. T. *see under* Cianciola L. J., **265,** 445
Patterson S. L. *see under* Joyce T. M., **265,** 131
Pawsey S. A. *see under* Gianelli F., **265,** 466
Pearse A. *see under* Joachim H. L., **265,** 55
Pelham J. *see under* Mason P. A., **265,** 334
Pentreath R. J. and Lovett M. B. Plutonium and americium in fish — Reply, *matters arising*, **265,** 384
Perelson A. S. and Bell G. I. Mathematical models for the evolution of multigene families by unequal crossing over,

265, 304

Perkins S. *see under* Aguayo A. J., **265,** 73

Pert A. and Sivit C. Neuroanatomical focus for morphine and enkephalin-induced hypermotility, **265,** 645

Peterson P. A. *see under* Klareskog L., **265,** 248

Pettigrew G. W. and Smith G. M. Noval N-terminal protein blocking group identified as dimethylproline, **265,** 661

Petzoldt U. *see under* Monk M., **265,** 338

Pfizenmaier K., Starzinski-Powitz A., Rollinghoff M., Falke D. and Wagner H. T-cell-mediated cytotoxicity against herpes simplex virus-infected target cells, **265,** 630

Phillipps S. *see under* Ellis R. S., **265,** 313

Pietras R. J. and Szego C. M. Specific binding sites for oestrogen at the outer surfaces of isolated endometrial cells, **265,** 69

Pilt A. A. *see under* Jelley N. A., **265,** 35

Pingree R. D., Holligan P. M. and Head R. N. Survival of the dinoflagellate blooms in the western English Channel, **265,** 266

Piper D. Z. *see under* Burnett W. C., **265,** 596

Pocholczyk A. G. *see under* Cocke W. J., **265,** 608

Polani P. E. *see under* Gianelli F., **265,** 466

Polden P. G. *see under* Mollon J. D., **265,** 243

Pomeranz B. *see under* Glickman R. D., **265,** 51

Pontecorvo G., Riddle P. N. and Hales A. Time and mode of fusion of human fibroblasts treated with polyethylene glycol (PEG), **265,** 257

Poo M.-m. and Robinson K. R. Electrophoresis of concanavalin A receptors along embryonic muscle cell membrane, **265,** 602

Pounds K. A. *see under* Smith A., **265,** 121

Povey S. *see under* Swallow D., **265,** 585

Powards D. *see under* Huisman T. H. J., **265,** 63

Prange T., Ducruix A., Pascard C. and Lunel J. Structure of nosiheptide, a polythiazole-containing antibiotic, **265,** 189

Prasad K. N. *see under* Ehrlich Y. H., **265,** 238

Pratt G. E. and Bowers W. S. Precocene II inhibits juvenile hormone biosynthesis by cockroach corpora allata *in vitro*, **265,** 548

Preston R. C. *see under* Key P. J., **265,** 717

Pringle J. Astrophysics in Boston, *news and views,* **265,** 402

Pritchard R. H. *see under* Holland I. B., **265,** 403

Prodi G. *see under* Arfellini G., **265,** 377

Proudfoot N. J. The sequence is not enough, *news and views,* **265,** 499

Purnell R. E. *see under* Brocklesby D. W., **265,** 343

Purves K., Calandra R., Naess O., Attramadal A., Torjesen P. A. and Hansson V. Do Androgens increase Leydig cell sensitivity to luteinising hormone?, **265,** 169

Pyper N. C. *see under* Grant I. P., **265,** 715

Rabinovich Y. I. *see under* Derjaguin B. V., **265,** 520

Raff J. *see under* Clarke A. E., **265,** 161

Raff M. Immunological networks, *news and views,* **265,** 205

Ramadurai S. *see under* Clayton D. D., **265,** 427

Ramaswamy G. Sunspot cycles and solar activity forecasting, **265,** 713

Rapp F. *see under* Geder L., **265,** 184

Rappaport S. *see under* Joss P. C., **265,** 222

Rask L. *see under* Klareskog L., **265,** 248

Ratzlaff R. W. *see under* Kenrick N. C., **265,** 246

Ravetch J. V., Model P. and Robertson H. D. Isolation and characterisation of the phiX174 ribosome binding sites, **265,** 698

Reisler E. *see under* Schmitt H., **265,** 653

Resch K., Bouillon D., Gemsa D. and Averdunk R. Drugs which disrupt microtubules do not inhibit the initiation of lymphocyte activation, **265,** 349

Rheinwald J. G. and Green H. Epidermal growth factor and the multiplication of cultured human epidermal keratinocytes, **265,** 421

Rheuben M. B. *see under* Grinnell A. D., **265,** 368

Rhodes J. Altered expression of human monocyte Fc receptors in malignant disease, **265,** 253

Rice J. M. *see under* Martin W. J., **265,** 738

Rich V. Czechoslovakia (2): . . . And the particular, **265,** 674

Riddle P. N. *see under* Pontecorvo G., **265,** 257

Rieber E. P. *see under* Saal J. G., **265,** 158

Riethmuller G. *see under* Saal J. G., **265,** 158

Riley G. J. *see under* Glover V., **265,** 80

Rimpau J. *see under* Wolf G., **265,** 470

Ringelhann B. *see under* Huisman T. H. J., **265,** 63

Roberts R. B. Absolute scale of thermoelectricity, **265,** 226

Roberts R. J., Wilson G. A. and Young F. E. Recognition sequence of specific endonuclease *Bam*HI from *Bacillus amyloliquefaciens* H, **265,** 82

Roberts W. P., Tate M. E. and Kerr A. Agrocin 84 is a 6-*N*-phosphoramidate of an adenine nucleotide analogue, **265,** 379

Roberts W. W. Jr. *see under* Scott J. S., **265,** 123

Robertson H. D. *see under* Ravetch J. V., **265,** 698

Robinson K. R. *see under* Poo M.-m., **265,** 602

Rodin B. *see under* Wolff S., **265,** 347

Rollinghoff M. *see under* Pfizenmaier K., **265,** 630

Rose J., Allen P. and Hey R. W. Middle Pleistocene stratigraphy in southern East Anglia — Reply, *matters arising,* **265,** 663

Rosen J. M. *see under* Drummond J. W., **265,** 319

Rosen S. W. *see under* Lieblich J. M., **265,** 746

Rosendaal M. Age-dependent surface marker on haemopoietic stem cells, **265,** 147

Ross R. *see under* Fine D. H., **265,** 753

Roth S. *see under* Durr R., **265,** 547

Rounbehler D. P. *see under* Fine D. H., **265,** 753

Rowell P. *see under* Stewart W. D. P., **265,** 372

Rowland I. R., Davies M. J., and Grasso P. Volatilisation of methylmercuric chloride by hydrogen sulphide, **265,** 718

Roxburgh I. W. Dirac's continuous creation cosmology and the temperature of the Earth — Reply, *matters arising,* **265,** 763

Rudkin G. T. and Stollar B. D. High resolution detection of DNA-RNA hybrids *in situ* by direct immunofluorescence, **265,** 472

Rudland P. *see under* de Asua L. J., **265,** 154
see under de Asua L. J., **265,** 450

Runcorn K. and Coleman P. Space: a new phase? *news,* **265,** 197

Rutter M. *see under* Folstein S., **265,** 726

ruutu P., Ruutu T., Vuopio P., Kosunen T. U. and de la Chapelle A. Defective chemotaxis in monosomy-7, **265,** 146

Ruutu T. *see under* Ruutu P., **265,** 146

Saal J. G., Rieber E. P., Hadam M. and Riethmuller G. Lymphocytes with T-cell markers cooperate with IgG antibodies in the lysis of human tumour cells, **265,** 158

Saavedra J. M. *see under* Axelrod J., **265,** 501

Sack R. A. and Harris C. M. Ca^{2+}-dependent ATPase activity of bovine receptor cell outer segment, **265,** 465

Said S. I. and Mutt V. Relationship of spasmogenic and smooth muscle relaxant peptides from normal lung to other vasoactive compounds, **265,** 84

Salazar L. F. and Harrison B. D. Two previously undescribed potato viruses from South America, **265,** 337

Salter S. H. Energy analysis of wave and wind-power systems, *matters arising,* **265,** 383

Samulski E. T. *see under* Edzes H. T., **265,** 521

Sandberg-Tragardh L. *see under* Klareskog L., **265,** 248

Sandler M. *see under* Glover V., **265,** 80

Sanger F. *see under* Smith M., **265,** 702

Sanger F., Air G. M., Barrell B. G., Brown N. L., Coulson A. R., Fiddes J. C., Hutchison C. A. III, Slocombe P. M. and Smith M. Nucleotide sequence of bacteriophage PhiX174 DNA, **265,** 687

Sanyal S. and Zeilmaker G. H. Cell lineage in refinal development of mice studied in experimental chimaeras, **265,** 731

Sarich V. M. Rates, sample sizes, and neutrality hypothesis for electrophoresis in evolutionary studies, **265,** 24

Satake K. Disappearance of puddle water during the night with growth of ice needles and its reappearance during the day, **265,** 519

Scaife J. Multiple controls in bacteria, *news and views,* **265,** 101

Scarrott S. M., White C., Pallister W. S. and Solinger A. B. Evidence from optical polarisation for a galactic-scale uniform magnetic field in M104, **265,** 32

Schaber G. G. *see under* Boyce J. M., **265,** 38

Schaepfer W. W. Vesicular disruption of myelin simulated by exposure of nerve to calcium ionophore, **265,** 734

Schatten K. H. The cause of Forbush's 20-year wave, *matters arising,* **265,** 664

Scheid M. *see under* Bennett D., **265,** 255

Schell J. *see under* Genetello C., **265,** 561

Schellenberg R. R. and Gillespie E. Colchicine inhibits phosphatidylinositol turnover induced in lymphocytes by concavalin A., **265,** 741

Scherer G., Hobom G. and Kössel H. DNA base sequence of the *p* promoter region of phage lambda, **265,** 117

Schmidt C. D. *see under* Eschle J. L., **265,** 325

Schmitt H., Josephs R. and Reisler E. A search for *in vivo* factors in regulation of microtubule assembly, **265,** 653

Schneider M. F. *see under* Kovács L., **265,** 556

Schröder D. *see under* Lawton J. H., **265,** 137

Schroeder W. A. *see under* Huisman T. H. J., **265,** 63

Schultz G. *see under* Schultz K.-D., **265,** 750

Schultz K. *see under* Schultz K.-D., **265,** 750

Schultz K.-D., Schultz K. and Schultz G. Sodium nitroprusside and other smooth muscle-relaxants increase cyclic GMP levels in rat ductus deferens, **265,** 750

Schutt C. E. *see under* Winkler F. K., **265,** 509

Schuuring C. Holland's nuclear problems, *news,* **265,** 96

Schwertner H. A. *see under* Blum K., **265,** 49

Scott J. S., Jensen E. B. and Roberts W. W. Jr. The missing intercloud medium and spiral galaxies, **265,** 123

Secher D. S. *see under* Adetugbo K., **265,** 299

Senanayake F. R., Soule M. and Senner J. W. Habitat values and endemicity in the vanishing rain forests of Sri Lanka, **265,** 351

Senner J. W. *see under* Senanayake F. R., **265,** 351

Serlemitsos P. J. *see under* Kaluzienski L. J., **265,** 606

Sharma O. K. and Borek E. The carcinogen ethionine elevates progesterone levels, **265,** 748

Sharon N. *see under* Ofek I., **265,** 623

Shepherd L. What role for fission? *news,* **265,** 394

Sherman W. V. and Caplan S. R. Chromophore mobility in bacteriorhodopsin, **265,** 273

Sherratt D. Plasmids and pathogenicity, *news and views,* **265,** 297

Sherwell C. European energy: where now? *news,* **265,** 574

Shingyoji C., Murakami A. and Takahashi K. Local reactivation of Triton-extracted flagella by iontophoretic application of ATP, **265,** 269

Shivanandan K., McNutt D. P., Daehler M. and Moore W. J. Far infrared observations of IRC + 10216, **265,** 513

Shur B. *see under* Durr R., **265,** 547

Siebanga E. *see under* van den Berg R. J., **265,** 177

Silk J. Cosmogony and the magnitude of the dimensionless gravitational coupling constant, **265,** 710

Silver J. D. *see under* Jelley N. A., **265,** 35

Silvergleid A. *see under* Fine D. H., **265,** 753

Silverman M. *see under* Matsumura P., **265,** 758

Simon E. Cadmium tolerance in populations of *Agrostis tenuis* and *Festuca ovina,* **265,** 328

Simon M. *see under* Matsumura P., **265,** 758

Singh I., Tsang K. Y and Blakemore W. S. Immunologic studies in contacts of osteosarcoma in humans and animals, **265,** 541

Sinha P. K. *see under* Ehrlich Y. H., **265,** 238

Sirotkin K., Wei J. and Snyder L. T4 Bacteriophage-coded RNA polymerase subunit blocks host transcription and unfolds the host chromosome, **265,** 28

Sivit C. *see under* Pert A., **265,** 645

Skaer H. Le B. *see under* Treherne J. E., **265,** 550

Skinner M. F. *see under* MacFadden B. J., **265,** 532

Slocombe P. M. *see under* Sanger F., **265,** 687

Small D. M. *see under* Tall A. R., **265,** 165

Smith A. and Pounds K. A. X-ray flare in 3U 0833—45 Vela pulsar, **265,** 121

Smith G. M. *see under* Pettigrew G. W., **265,** 661

Smith J. A. *see under* de Roeper A., **265,** 469

Smith M. *see under* Brown N. L., **265,** 695
see under Sanger F., **265,** 687

Smith M., Brown N. L., Air G. M., Barrell B. G., Coulson A. R., Hutchison C. A., III and Sanger F. DNA sequence at the C-termini of the overlapping genes *A* and *B* bacteriophage PhiX174, **265,** 702

Smith P. *see under* Clarke A. E., **265,** 161

Smith P. J. Ferromanganese deposits: fast, fast, slow, *news and views,* **265,** 582
Serpentinite in the oceanic crust? *news and views,* **265,** 104
Two types of transform fault, *news and views,* **265,** 686
Volcano spacing in East Africa, *news and views,* **265,** 206

Smith S. M. Coral-snake pattern recognition and stimulus generalisation by naive great kiskadees (Aves: *Tyrannidae*), **265,** 535

Snyder L. *see under* Sirotkin K., **265,** 28

Solinger A. B. *see under* Scarrott S. M., **265,** 32

Solomonson L. P. and Spehar A. M. Model for the regulation of nitrate assimilation, **265,** 373

Solter K. M. and Gibor A. Evidence for role of flagella as sensory transducers in mating of *Chlamydomonas reinhardi,* **265,** 444

Song L. *see under* Fine D. H., **265,** 753

Soule M. *see under* Senanayake F. R., **265,** 351

Spalding I. J. Quest for the X-ray laser, *news and views,* **265,** 686

Speakman P. T. *see under* Lotay S. S., **265,** 274

Spehar A. M. *see under* Solomonson L. P., **265,** 373

Spotila J. R., Terpin K. M. and Dodson P. Mouth gaping as an effective thermoregulatory device in alligators, **265,** 235

Spurgeon D. No season to be jolly, *news,* **265,** 95

Starzinski-Powitz A. *see under* Pfizenmaier K., **265,** 630

Steinman L., Cohen I. R., Teitelbaum D. and Arnon R. Regulation of autosensitisation to encephalitogenic myelin basic protein by macrophage-associated and soluble antigen, **265,** 173

Stephens S. A. *see under* Badhwar G. D., **265,** 424

Stephenson F. R. *see under* Clark D. H., **265,** 318

Stevens R. A. and Martin E. S. New structure associated with stomatal complex of the fern *Polypodium vulgare,* **265,** 331

Stewart W. D. P. and Rowell P. Modifications of nitrogen-fixing algae in lichen symbioses, **265,** 372

Stiles J. I. *see under* Szostak J. W., **265,** 61

Stollar B. D. *see under* Rudkin G. T., **265,** 472

Storetvedt K. M. Devonian palaeogeography of Northern Britain, *matters arising,* **265,** 764

Suerinc E. F. *see under* Gandini E., **265,** 65

Sugimura T. *see under* Kanai Y., **265,** 175

Sugiyama T. *see under* Okuda H., **265,** 515

Sukigara M. *see under* Toyoshima Y., **265,** 187

Sullivan B. *see under* Bonaventura C., **265,** 474

Surani M. A. H. *see under* Kaufman M. H., **265,** 53

Swallow D. and Povey S. HRPT mutants, *news and views,* **265,** 585

Szego C. M. *see under* Pietras R. J., **265,** 69

Szekely M. PhiX174 sequenced, *news and views,* **265,** 685

Szostak J. W., Stiles J. I., Bahl C. P. and Wu R. Specific binding of a synthetic oligodeoxyribonucleotide to yeast cytochrome *c* mRNA, **265,** 61

Takahashi K. *see under* Shingyoji C., **265,** 269

Tall A. R. and Small D. M. Solubilisation of phospholipid membranes by human plasma high density lipoproteins, **265,** 163

Tammann G. A. *see under* Crane P., **265,** 124

Tatarinov Y. S. and Kalashnikov V. V. New human embryonic antigen and its presence in some adenocarcinomas, **265,** 638

Tate M. E. *see under* Roberts W. P., **265,** 379

Taylor B. Control of flight activity in mosquitoes, *matters arising,* **265,** 762

Taylor G. J. IV. *see under* Jacobus W. E., **265,** 756

Taylor L. R. and Taylor R. A. J. Aggregation, migration and population mechanics, **265,** 415

Taylor R. A. J. *see under* Taylor L. R., **265,** 415

Tedford R. H. and Gustafson E. P. First North American record of the extinct panda *Parailurus,* **265,** 621

Teitelbaum D. *see under* Steinman L., **265,** 173

Temnikow N. K. *see under* Lipps J. H., **265,** 232

Tempe J. *see under* Kerr A., **265,** 560

Terner J. *see under* Campion A., **265,** 659

Terpin K. M. *see under* Spotila J. R., **265,** 235

Thompson T. E. A marine biologist at Pompeii AD 79, *news and views,* **265,** 292

Thomson A. J. Ligand binding properties of the haem group, *news and views,* **265,** 15

Thorpe R. S., Gibson I. L. and Vizcaino J. S. Andesitic pyroclastic flows from Colima Volcano, **265,** 724

Thorpe S. A. and Hall A. J. Mixing in upper layer of a lake during heating cycle, **265,** 719

Tiepolo L. *see under* Fraccaro M., **265**, 326
Tiffney B. H. Dicotyledonous angiosperm flower from the Upper Cretaceous of Martha's Vineyard, Massachusetts, **265**, 136
Tilly R. *see under* Hogan B., **265**, 626
Tobias P. V. *see under* Hughes A. R., **265**, 310
Toner W. T. Most leptons come in pairs. *news and views*, **265**, 497
Toyoshima Y., Morino M., Motoki H. and Sukigara M. Photo-oxidation of water in phospholipid bilayer membranes containing chlorophyll alpha, **265**, 187
Trecarten J. *see under* Aguayo A. J., **265**, 73
Treherne J. E., Carlson A. D. and Skaer H. Le B. Facultative blood–brain barrier and neuronal adaptation to osmotic stress in a marine osmoconformer, **265**, 550
Trevena D. H. *see under* Williams T. L., **265**, 612
Truelsen E. *see under* Blair G. E., **265**, 651
Tsang K. Y. *see under* Singh I., **265**, 541
Tsiang E. *see under* Canuto V., **265**, 763
Tudzynski P. *see under* Esser K., **265**, 454
Tulloch I. F. *see under* Garcia-Munoz M., **265**, 363
Uchida I. A. and Freeman C. P. V. Radiation-induced non-disjunction in oocytes of aged mice, **265**, 186
Ukena T. E. *see under* Wassarman P. M., **265**, 742
Uwin N. *see under* Mandelkow E.-M., **265**, 655
Uyama K. *see under* Ito K., **265**, 517
Van Arman C. G. *see under* Kuehl F. A. Jr, **265**, 170
van Breugel W. J. M., and Miley G. K. Radio 'jets', **265**, 315
van de Griend R. J. *see under* Bos H. J., **265**, 341
van den Berg R. J., Siebanga E. and de Bruin G. Potassium ion noise currents and inactivation in voltage-clamped nodes of Ranvier, **265**, 177
Van Larebeke N. *see under* Genetello C., **265**, 561
Van Montagu M. *see under* Genetello C., **265**, 561
van Oss C. J. *see under* Cianciola L. J., **265**, 445
van Zijl J. S. V. Resistivity and the continental crust in southern Africa, **265**, 614
Veverka J. *see under* Elliot J. L., **265**, 609
Vizcaino J. S. *see under* Thorpe R. S., **265**, 724
Voorting-Hawking M. *see under* Zimmerman E. F., **265**, 354
Vorontsov S. V. and Zharkov V. N. Computation of periods of acoustical oscillations of the Sun, **265**, 426
Voyame M. *see under* Buhler F. M., **265**, 142
Vuopio P. *see under* Ruutu P., **265**, 146
Wachtel S. *see under* Bennett D., **265**, 255
Wagner H. *see under* Pfizenmaier K., **265**, 630
Waksman B. H. *see under* Jayawardena A. N., **265**, 539
Waldmeier M. Predicted and observed coronal structure, **265**, 611
Walker B. G. and Walker G. An unusual electromagnetic surface force, **265**, 324
Walker G. *see under* Walker G. B., **265**, 324
Walker J. Diamond platelets are interstitial carbon. *news and views*, **265**, 208
High pressure methods. *news and views*, **265**, 498
Walker J. L. *see under* Coulson C. J., **265**, 545
Walker R. N., Muir M. D., Diver W. L., Williams N. and Wilkins N. Evidence of major supphate evaporite deposits in the Proterozoic McArthur Group, Northern Territory, Australia, **265**, 526
Wallace J. E. *see under* Blum K., **265**, 49
Wapnir R. A., Moak S. A. and Lifshitz F. Decreased foetal amino acid uptake, brain pyruvate kinase and intrauterine damage in maternal PKU, **265**, 647
Warner J. *see under* Case J. F., **265**, 179
Warner N. L., Goding J. W., Gutman G. A., Warr G. W., Herzenberg L. A., Osborne B. A., Loo W. V. D., Black S. J. and Loken M. R. Allotypes of mouse IgM immunoglobulin, **265**, 447
Warr G. W. see under Warner N. L., **265**, 447
Warren A. Jurassic labyinthodont, **265**, 436
Wassarman P. M., Ukena T. E., Josefowicz W. J. and Karnovsky M. J. Asymmetrical distribution of microvilli in cytochalasin B-induced pseudocleavage of mouse oocytes, **265**, 742
Watkins C. J. *see under* Wurtman R. J., **265**, 79
Watt R. A. *see under* de Roeper A., **265**, 469
Webb J. P. Jr, George J. E. and Cook B. Sound as a host-detection cue for the soft tick *Ornithodoros concanensis*, **265**, 443
Wei E. T. *see under* Light W. G., **265**, 537
Wei J. *see under* Sirotkin K., **265**, 28
Weintraub B. D. *see under* Lieblich J. M., **265**, 746
Weiss R. Persistent infections without proviral DNA. *news and views*, **265**, 295
Weiss S. *see under* Kelus A. S., **265**, 156
Wellhöner H. H. *see under* Green J., **265**, 370
Westoby M. Self-thinning driven by leaf area not by weight, **265**, 330
White C. *see under* Scarrott S. M., **265**, 32
Whitt G. S. *see under* Ferris S. D., **265**, 258
Whittaker E. J. W. *see under* Jelley N. A., **265**, 35
Whyte R. O. Asia's marginal lands. *news*, **265**, 287
Wiggert B. N. *see under* Bergsma D. R., **265**, 66
Wigley T. M. L. and Atkinson T. C. Dry years in south-east England since 1968, **265**, 431
Wilkins N. *see under* Walker R. N., **265**, 526
Wilkoff L. J. *see under* Chopra D. P., **265**, 339
Williams N. *see under* Walker R. N., **265**, 526
Williams T. L. and Trevena D. H. Improved and extended theory of the Berthelot tube method of studying liquids under tensile stress, **265**, 612
Wilson A. T. and Grinstead M. J. ^{12}C–^{13}C in cellulose and lignin as palaeothermometers, **265**, 133
Wilson O. A. *see under* Roberts R. J., **265**, 82
Winkler F. K., Schutt C. E., Harrison S. C. and Bricogne G. Tomato bushby stunt virus at 5.5–Å resolution, **265**, 509
Wolf G. and Rimpau J. Evidence for cytoplasmic control of gene expression in higher plants, **265**, 470
Wolff S., Rodin B. and Cleaver J. E. Sister chromatid exchanges induced by mutagenic carcinogen in normal and xeroderma pigmentosum cells, **265**, 347
Woltjer L. *see under* Crane P., **265**, 124
Wong G. L. *see under* Lubon R. A., **265**, 629
Wood S. P. *see under* Andrews S. M., **265**, 529
Wooldridge K. R. H. *see under* Coulson C. J., **265**, 545
Wright A. F. *see under* Kaeser H., **265**, 262
Wright A. K. *see under* Garcia-Munoz M., **265**, 363
Wright E. A. *see under* Ibrahim I., **265**, 733
Wright P. B. Sea surface temperature and climate. *news and views*, **265**, 291
Wu R. *see under* Szostak J. W., **265**, 61
Wuebbles D. J. *see under* Duewer W. H., **265**, 523
Wurtman R. J. *see under* Fernstrom J. D., **265**, 277
Wurtman R. J. and Watkins C. J. Suppression of noradrenaline synthesis in sympathetic nerves by carbidopa, and inhibitor of peripheral dopa decarboxylase, **265**, 79
Yaffe S. J. *see under* Goldman A. S., **265**, 643
Yanagisawa K. *see under* Bennett D., **265**, 255
Yodlowski M. L., Kreithen M. L. and Keeton W. T. Detection of atmospheric infrasound by homing pigeons, **265**, 725
Yokohari R. *see under* Kanai Y., **265**, 175
Young F. E. *see under* Roberts R. J., **265**, 82
Zak I. *see under* Karcz J., **265**, 277
Zeilmaker G. H. *see under* Sanyal S., **265**, 731
Zharkov V. N. *see under* Vorontsov S. V., **265**, 426
Zimmerman E. F., Voorting-Hawking M. and Michael J. G. Immunosuppression by mouse sialylated alpha-foetoprotein, **265**, 354
Zimmern D. *see under* Butler P. J. G., **265**, 217
Zucker S. and Lysik R. Cancer-induced cytolysis of normal bone marrow cells, **265**, 736

nature

Author Index for Volume 266

March–April 1977

Numbers 5597–5605

Pages 1–858

Aaronson S. A. *see under* Stephenson J. R., **266,** 469
Abrahamson J. Saturated platelets are now intermediates in hydrocarbon pyrolysis and carbon formation, **266,** 323
Abrami A. *see under* Mandolesi N., **266,** 427
Adams B., Ghodsian M. and Richardson K. Estimation of heritability from IQ data on twins — Reply, *matters arising,* **266,** 281
Adams D. J., Gage P. W. and Hamill O. P. Ethanol reduces excitatory postsynaptic current duration at a crustacean neuromuscular junction, **266,** 739
Akberali H. B., Marriott K. R. M. and Trueman E. R. Calcium utilisation during anaerobiosis induced by osmotic shock in a bivalve mollusc, **266,** 852
Akkermans A. D. L. *see under* van Straten J., **266,** 257
Albrecht-Buehler G. and Chen L. B. Local inhibition of centripetal particle transport where LETS protein patterns appear on 3T3 cells, **266,** 454
Alfvén H. and Mendis A. Interpretation of observed cosmic microwave background radiation, **266,** 698
Ali A. *see under* Durrani S. A., **266,** 411
Allison A. C. *see under* Virelizier J. L., **266,** 52
Allweiss B., Dostal J., Carey K. E., Edwards T. F. and Freter R. The role of chemotaxis in the ecology of bacterial pathogens of muscosal surfaces, **266,** 448
Amos D. B. *see under* Ono A., **266,** 546
Anderson D. J. *see under* Henn F. A., **266,** 637
Anderson P., Sundberg S. H., Sveen O. and Wigström H. Specific long-lasting potentiation of synaptic transmission in hippocampal slices, **266,** 736
Andersson-Anvret M. *see under* Ernberg I., **266,** 269
Andrews J. N. *see under* Parkin D. W., **266,** 515
Apparao K. M. V. X rays from radio binaries, **266,** 430
Appleton T. C. and Newell P. F. X-ray microanalysis of freeze-dried ultrathin frozen sections of a regulating epithelium from the snail *Otala,* **266,** 854
Armstrong H. *see under* MacPherson C. F. C., **266,** 459
Ashbee K. H. G. *see under* Schurch K. E., **266,** 706
Atkins P. W. Positronium spin conversion, *news and views,* **266,** 588
Azman A. *see under* Kertész M., **266,** 278
Babiuk L. A. *see under* Rouse B. T., **266,** 456
Bach F. H. *see under* Martinis J., **266,** 540
Bach J.-F., Dardenne M., Pleau J.-M. and Rosa J. Biochemical characterisation of a serum thymic factor, **266,** 55
Baggaley W. J. Mass distribution of massive meteoroids determined by occurrence of brilliant fireballs, **266,** 608
Bagley C. R. Estimation of heritability from IQ data on twins, *matters arising,* **266,** 280
Baglioni C. *see under* Lenz J. R., **266,** 191
Baker H. J. *see under* Purpura D. P., **266,** 553
Baker J. Optical fibres at Williamsburg, *news and views,* **266,** 221
Balasubramanian R. New type of representation for mapping chain-folding in protein molecules, **266,** 856
Ballard F. J. *see under* Gunn J. M., **266,** 58
Ballintine J. E. *see under* Ryckman S. G., **266,** 431
Banerjee S. K. Lunar and meteoritic palaeomagnetism: common origin contested — Reply, *matters arising,* **266,** 382
Bashi J. Effects of inbreeding on cognitive performance, **266,** 440
Basil Z. The microprocessor phenomenon, *news,* **266,** 760
Belluzzi J. D. and Stein L. Enkephalin may mediate euphoria and drive-reduction reward, **266,** 556
Bergman C. *see under* Dubois J. M., **266,** 741
Bertrand H. A., Masaro E. J. and Yu B. P. Post-weaning food restriction reduces adipose cellularity, **266,** 62
Bidlingmaier F., Knorr D. and Neumann F. Inhibition of masculine differentiation in male offspring of rabbits actively immunised against testosterone before pregnancy, **266,** 647
Biehl J. *see under* Cohen R., **266,** 538
Biesecker G., Harris J. I., Thierry J. C., Walker J. E. and Wonacott A. J. Sequence and structure of D-glyceraldehyde 3-phosphate dehydrogenase from *Bacillus stearothermophilus,* **266,** 328
Birchall J. D., Carey J. G. and Howard A. J. Silane triols of high stability in aqueous solution, **266,** 154
Bird P. and Toksöz M. N. Strong attenuation of Rayleigh waves in Tibet, **266,** 161
Birdsall N. J. M. *see under* Rotter A., **266,** 732
Birnstiel M. L., Schaffner W. and Smith H. O. DNA sequences coding for the H2B histone of *Psammechinus miliaris,* **266,** 603
Björnsson A., Saemundsson K., Einarsson P., Tryggvason E. and Grönvold K. Current rifting episode in north Iceland, **266,** 318
Blackwood G. C. *see under* Johnson C. B., **266,** 383
Blakemore W. F. Remyelination of CNS axons by Schwann cells transplanted from the sciatic nerve, **266,** 68
Blandford R. D. *see under* Fabian A. C., **266,** 512
Bockris J. O'M. *see under* Ohashi K., **266,** 610
Bok B. J., Sim M. E. and Hawarden T. G. A conspicuous globule in the Southern Coalsack, **266,** 145
Borek C., Pain C. and Mason H. Neoplastic transformation of hamster embryo cells irradiated *in utero* and assayed *in vitro,* **266,** 452
Bowen D. M. *see under* Spillane J. A., **266,** 558
Bowling D. J. F. Mechanism of stomatal movement — Reply, *matters arising,* **266,** 282
Bradley B. A. *see under* Gourlay E., **266,** 544
Bradley M. O. and Sharkey N. A. Mutagenicity and toxicity of visible fluorescent light to cultured mammalian cells, **266,** 724
Bradley R. J. *see under* Morley B. J., **266,** 848
Braestrup C. *see under* Squires R. F., **266,** 732
Brandtzaeg P. and Tolo K. Muscosal penetrability enhanced by serum-derived antibodies, **266,** 262
Bray C. J. *see under* Spooner E. T. C., **266,** 808
Bray G. A. *see under* Inoue S., **266,** 742
Brecher A. Lunar and meteoritic palaeomagnetism: common origin contested, *matters arising,* **266,** 381
Briscoe B. J. *see under* Klein J., **266,** 43
Britton G., Lockley W. J. S., Harriman G. A. and Goodwin T. W. Pigmentation of the ladybird beetle *Coccinella septempunctata* by carotenoids not of plant origin, **266,** 49
Brock A., McFadden P. L. and Partridge T. C. Preliminary palaeomagnetic results from Makapansgat and Swartkrans, **266,** 249
Brockes J. P., Fields K. L. and Raff M. C. A surface antigenic marker for rat Schwann cells, **266,** 364
Brocklehurst P. A. Factors controlling grain weight in wheat, **266,** 348
Brown G. B. *see under* Morley B. J., **266,** 848
Bruhn R. L. *see under* Dott R. H. Jr., **266,** 620
Bruland K. W. *see under* Soutar A., **266,** 136
Brunn V. V. *see under* Mason T. R., **266,** 47
Bryant D. A., Hall D. S., Lepine D. R. and Mason R. W. N. Electrons and positive ions in an auroral arc, **266,** 148
Bubbers J. E. and Lilly F. Selective incorporation of $H-2$ antigenic determinants into Friend virus particles, **266,** 458
Buchanan B. B. *see under* Wolosiuk R. A., **266,** 565
Bucher P. *see under* Paterson W. S. B., **266,** 508
Buckley R. Acceleration of charged particles to extremely high energies in pulsar far fields, **266,** 37
Bull J. *see under* Charnov E. L., **266,** 828
Bulmer M. H. Assortative mating, *matters arising,* **266,** 195
Burgen A. S. V. *see under* Rotter A., **266,** 732
Burnell J. B. Another optical pulsar, *news and views,* **266,** 676
Burny A. *see under* Huez G., **266,** 473
Burton P. G. and Harvey M. D. Theoretical evidence for metastable cyclic ozone, **266,** 826
Butcher G. W. *see under* Galfre G., **266,** 550
Butcher G. W. and Howard J. C. A recombinant in the major histocompatibility complex of the rat, **266,** 362
Butterworth P. S. *see under* Murray J. B., **266,** 338
Butz R. G. Nitrate reductase as predictive test of crop yield, *matters arising,* **266,** 383
Cahen D. and Moeyersons J. Subsurface movements of stone artefacts and their implications for the prehistory of Central Africa, **266,** 812
Cahn R. W. Materials science and engineering, *news and views,* **266,** 777
Callahan G. N. *see under* Zinkernagel R. M., **266,** 837
Calvert P. Polyphosphazenes: tailored polymers, *news and views,* **266,** 497
Cambiaso C. L. *see under* Masson P. L., **266,** 542
Campacci E. F., New P. B. and Tchan Y. T. Isolation of amitrole-degrading bacteria, **266,** 164
Caprio J. Electrophysiological distinctions between the taste and smell of amino acids in catfish, **266,** 850
Carey J. G. *see under* Birchall J. D., **266,** 154
Carey K. E. *see under* Allweiss B., **266,** 448
Carroll R. L. and Galton P. M. 'Modern' lizard from the Upper Triassic of China, **266,** 252
Carson S., Godwin S., Massoulie M. and Kato G. Solubilisation of atropine-binding material from brain, **266,** 176
Carter C. O. Estimation of IQ data on twins, *matters arising,* **266,** 279
Carter J. C., Dean A. J., Manchanda R. K. and Ramsden D. No new limit on size distribution of gamma-ray bursts — Reply, *matters arising,* **266,** 750
Cavonius C. R. Objective authentication, *news and views,* **266,** 591
Cawthorn R. G. and McIver J. R. Nickel in komatites, **266,** 716
Ceredig R., Henderson D. C. and Nairn R. C. Experimental model of ulcerative colitis, **266,** 74
Chang H. W. *see under* Lester H. A., **266,** 373
Chang M. C. Digynic triploidy after superovulation, *matters arising,* **266,** 382
Chantrenne H. *see under* Huez G., **266,** 473
Charnov E. L. and Bull J. When is sex environmentally determined? **266,** 828
Chase R. L. J. Tuzo Wilson Knolls: Canadian hotspot, **266,** 344
Chauvin C. *see under* Jacrot B., **266,** 417
Chen C.-T. and Millero F. J. The use and misuse of pure water PVT properties for lake waters, **266,** 707
Chen L. B. *see under* Albrecht-Buehler G., **266,** 454
Cheramy A. *see under* Nieoullon A., **266,** 375
Cherry R. D. *see under* Higgo J. J. W., **266,** 623
Chevalier R. A. Magnetic field amplification in interstellar collisionless shock waves, **266,** 701
Christiansen W. A., Pacholczyk A. G. and Scott J. S. Extended radio galaxies, **266,** 593
Chung S.-H. Synaptic memory in the hippocampus, *news and views,* **266,** 677
Cidlowski J. A. and Michaels G. A. Alteration in glucocorticoid binding site number during the cell cycle in HeLa cells, **266,** 643
Clark M. A. Possible role for acetylcholine in aggregation centre spacing in *Polysphondylium violaceum,* **266,** 170
Clark M. G. *see under* Gunn J. M., **266,** 58
Clayton D. D. and Morgan J. A. Muon production of ^{93,94}Nb in the Earth's crust, **266,** 712
Cleaver J. E. *see under* Ritter M. A., **266,** 653
Cleuter Y. *see under* Huez G., **266,** 473
Cline T. L. and Schmidt W. K. H. No new limit on size distribution of gamma-ray bursts, *matters arising,* **266,** 749
Cline T. L., Desai U. D., Schmidt W. K. H. and Teegarden B. J. Search for gamma-ray bursts with coincident balloon flights, **266,** 694
Close F. Molecular charmonium? *news and views,* **266,** 301
Close F. E. SIN and the muon-electron puzzle, **266,** 679
Cocking E. C. Genetic modification of plant cells: a reappraisal, *news and views,* **266,** 13
Cohen R., Pacifici M., Rubinstein N., Biehl J. and Holtzer H. Effect of a tumour promoter on myogenesis, **266,** 538
Cohen S. *see under* Richter J., **266,** 70
Colebrook J. M. Possible solar control of North Atlantic oceanic climate — Reply, *matters arising,* **266,** 476
Coluzzi M., Sabatini A., Petrarca V. and Di Deco M. A. Behavioural divergences between mosquitoes with different inversion karyotypes in polymorphic populations of the *Anopheles gambiae* complex, **266,** 832
Comi P. *see under* Ottolenghi S., **266,** 231
Conconi F. *see under* Ottolenghi S., **266,** 231
Conney A. H. *see under* Kapitulnik J., **266,** 378
Connors P. A. *see under* Stark R. F., **266,** 429
Cooperstock F. I. and Lim P. H. Gravitational radiation from freely-falling bodies, **266,** 609
Cotter R. Variable DNA repeat lengths, *news and views,* **266,** 118
Cowan I. M. and Pollack H. N. Gravity in Zambia, **266,** 615
Cowie L. L. and Songaila A. Thermal evaporation of gas within galaxies by a hot intergalactic medium, **266,** 501
Cox F. E. G. Relapses in malaria, *news and views,* **266,** 408
Trypanosome antigens *news and views,* **266,** 218
Craig H. *see under* Lupton J. E., **266,** 244
Crill P. A. *see under* Soutar A., **266,** 136
Crothers D. M. *see under* Weidner H., **266,** 193
Cuthbert A. W. and Shum W. K. Does intracellular sodium modify membrane permeability to sodium ions? **266,** 468
Dalhunty A. K-contractures and membrane potential in mammalian skeletal muscle, **266,** 75
Dansgaard W. *see under* Paterson W. S. B., **266,** 508
Danziger I. J. *see under* Wallace P. T., **266,** 692
Dardenne M. *see under* Bach J.-F., **266,** 55
Das V. S. R., Rao I. M. and Raghavenrda A. S. Mechanism of stomatal movement, *matters arising,* **266,** 282
Datta A. R. *see under* Mahajan S. K., **266,** 652
Davie E. W. *see under* Koide T., **266,** 729
Davies P. C. W. Some singular proposals, *news and views,* **266,** 12
Davies R. and McWeeney D. J. Catalytic effect of nitrosophenols on *N*-nitrosamine formation, **266,** 657
Davis A. J. S. Serum thymic factor, *news and views,* **266,** 13
Davison A. N. *see under* Spillane J. A., **266,** 558
de Vaucouleurs G. Distances of the virgo, Fornax and Hydra clusters of galaxies and the local value of the Hubble ratio, **266,** 126
De Wit M. J. *see under* Dott R. H. Jr., **266,** 620
Deamer D. W. *see under* Hargreaves W. R., **266,** 78
Dean A. J. *see under* Carter J. C., **266,** 750
Delbaere L. T. J. *see under* Hsu I. N., **266,** 140
Delire M. *see under* Masson P. L., **266,** 542
Delli Santi F. S. *see under* Mandolesi N., **266,** 427
Delpino F. *see under* Mandolesi N., **266,** 427
Demany L., McKenzie B. and Vurpillot E. Rhythm perception in early infancy, **266,** 718
Denton G. H. *see under* Hughes T., **266,** 596
Desai U. D. *see under* Cline T. L., **266,** 694
Descalux J. P. *see under* Pyykkö P., **266,** 336
Deslauriers R., Somorjai R. L. and Ralston E. Correlation between the X-ray structure of melanostatin and its conformation in solution, **266,** 746
Deutsch E. R. and Rao K. V. New palaeomagnetic evidence fails to support rotation of western Newfoundland, **266,** 314
Deutsch J. A. and Hardy W. T. Cholecystokinin produces bait shyness in rats, *matters arising,* **266,** 196
Dhar P. K. *see under* Dutt T. L., **266,** 435
Di Deco M. A. *see under* Coluzzi M., **266,** 832
Dionne V. E. and Ruff R. L. Endplate current fluctuations reveal only one channel type at frog neuromuscular junction, **266,** 263
Disney M. J. *see under* Wallace P. T., **266,** 692
Divac I., Fonnum F. and Storm-Mathisen J. High affinity uptake of glutamate in terminals of corticostriatal axons, **266,** 377
Djiane J. and Durand P. Prolactin–progesterone antagonism in self regulation of prolactin receptors in the mammary gland, **266,** 641
Dodds J. and Kuno H. Computer simulation and statistical geometric model for contacts in binary random two-dimensional disk packings, **266,** 614
Doherty P. C., Solter D. and Knowles B. B. H–2 gene expression is required for T cell-mediated lysis of virus-infected target cells, **266,** 361
Donnison J. R. and Williams I. P. Backwarming due to circumstellar shells, *matters arising,* **266,** 475
Dostal J. *see under* Allweiss B., **266,** 448
Dott R. H. Jr, Winn R. D. Jr, DeWitt M. J. and Bruhn R. L. Tectonic and sedimentary significance of Cretaceous Tekenika Beds of Tierra del Fuego, **266,** 620
Doty J. P. *see under* Ryckman S. G., **266,** 431
Douglas B. C. *see under* Goad C. C., **266,** 514
Dower S. *see under* Dwek R. A., **266,** 31
Downey P. M. *see under* Ryckman S. G., **266,** 431
Drasdo N. The neural representation of visual space, **266,** 554
Dubois J. M. and Bergman C. Assymmetrical currents and sodium currents in Ranvier nodes exposed to DDT, **266,** 741
Duffrin E. *see under* Soutar A., **266,** 136
Dugdale A. E. and Payne P. R. Pattern of lean and fat deposi-

tion in adults, **266,** 349
Dunbar E. P. *see under* Dunbar R. I. M., **266,** 351
Dunbar R. I. M. and Dunbar E. P. Dominance and reproductive success among female gelada baboons, **266,** 351
Dunwiddie T. *see under* Lynch G. S., **266,** 737
Durand P. *see under* Djiane J., **266,** 641
Durrani S. A., Khazal K. A. R. and Ali A. Temperature and duration of the shadow of a recently-arrived lunar boulder, **266,** 411
Dutt T. L. and Dhar P. K. Order and disorder in weakly ionised plasmas, **266,** 435
Dutton G. J. *see under* Wishart G. J., **266,** 183
Dwek R. A., Wain-Hobson S., Dower S., Gettins P., Sutton B., Perkins S. J. and Givol D. Structure of an antibody combining site by magnetic resonance, **266,** 31
Eckstein B. *see under* Winstein Y., **266,** 632
Eddy J. A. *see under* Smythe C. M., **266,** 434
Edwards T. F. *see under* Allweiss B., **266,** 448
Egel R. Frequency of mating-type switching in homothallic fission yeast, **266,** 172
Ehn D. C. *see under* Stachnik R. V., **266,** 149
Einarsson P. *see under* Björnsson A., **266,** 318
Elderfield H. *see under* McArthur J. M., **266,** 437
Ellar D. J. *see under* Wilkinson B. J., **266,** 174
El-Shamy T. M. and Pantano C. G. Decomposition of silicate glasses in alkaline solutions, **266,** 704
Emery A. E. H. Muscle histology and creatine kinase levels in the foetus in Duchenne muscular dystrophy, **266,** 472
Engel W. *see under* Schmidtke J., **266,** 532
Epstein S. and Yapp C. Isotope tree thermometers, *matters arising*, **266,** 477
Ernberg I., Andersson-Anvret M., Klein G., Lundin L. and Killander D. Relationship between amount of Epstein–Barr virus-determined nuclear antigen per cell and number of EBV–DNA copies per cell, **266,** 269
Evison F. F. Fluctuations of seismicity before major earthquakes, **266,** 710
Eyre J. R. and Roscoe H. K. Radiometric measurement of stratospheric HCl, **266,** 243
Fabian A. C., Blandford R. D. and Hatchett S. P. Inverse Compton gamma rays from Cyg X-3? **266,** 512
Fairbairn J. W. *see under* Rothschild M., **266,** 650
Falkow S. *see under* Roberts M., **266,** 630
Fanick R. *see under* Rowe M. W., **266,** 612
Fedak G. Increased homoeologeous chromosome pairings in *Hordeum vulgare* × *Triticum aestivum* hybrids, **266,** 529
Feduccia A. The whalebill is a stork, **266,** 719
Fellous A. *see under* Francon J., **266,** 188
Field P. M. *see under* Rotter A., **266,** 732
Fields K. L. *see under* Brockes J. P., **266,** 364
Fine P. E. M. Control of feline leukaemia virus, *matters arising*, **266,** 384
Finney J. L. Modelling the structures of amorphous metals and alloys, *review article*, **266,** 309
Fischbarg J., Warshavsky C. R. and Lim J. J. Pathways for hydraulically and osmotically-induced water flows across epithelia, **266,** 71
Fisher D. *see under* Paterson W. S. B., **266,** 508
Flack R. H. A. *see under* Spillane J. A., **266,** 558
Fonnum F. *see under* Divac I., **266,** 377
Forrest J. R. Telecommunications in the '80s, *news and views*, **266,** 409
Fowler S. W. *see under* Higgo J. J. W., **266,** 623
Fowler S. W. and Guary J-C. High absorption efficiency for ingested plutonium in crabs, **266,** 827
Francis H. Estimation of heritability from IQ data on twins, *matters arising*, **266,** 280
Franco M. A., Hutchison J. L., Jefferson D. A. and Thomas J. M. Structural imperfection and morphology of crocidolite (blue asbestos), **266,** 520
Francon J., Fellous A., Lennon A.-M. and Nunez J. Is thyroxine a regulatory signal for neurotubule assembly during brain development? **266,** 188
Franklin S. G. and Zweidler A. Non-allelic variants of histones 2a, 2b and 3 in mammals, **266,** 273
Frazer B. M. *see under* Lent C. M., **266,** 844
Frere J-M. Bacterial tumble regulator may be inactivated by methylation, **266,** 261
Freeman E. F. Triassic extinction of Jurassic vacuum? *news and views*, **266,** 305
Freter R. *see under* Allweiss B., **266,** 448
Fricke H. and Fricke S. Monogamy and sex change by aggressive dominance in coral reef fish, **266,** 830
Fricke S. *see under* Fricke H., **266,** 830
Fudenberg H. H. *see under* Wilson G. B., **266,** 463
Furuichi Y., LaFiandra A. and Shatkin A. J. 5′-Terminal structure and mRNA stability, **266,** 235
Gage P. W. *see under* Adams D. J., **266,** 739
Galfre G., Howe S. C., Milstein C., Butcher G. W. and Howard J. C. Antibodies to major histocompatibility antigens produced by hybrid cell lines, **266,** 550
Galloway D. J., Proctor M. R. E. and Weiss N. O. Formation of intense magnetic fields near the surface of the Sun, **266,** 686
Galton P. M. *see under* Carroll R. L., **266,** 252
Gandelman R., vom Saal F. S. and Reinisch J. M. Contiguity to male foetuses affects morphology and behaviour of female mice, **266,** 722
Gardner M. B. *see under* Niman H. L., **266,** 357
Garves D. J. Progress in coronaviruses, *news and views*, **266,** 682
Gearhart M. R. and Pacht E. Q0000-398 is a high-redshift quasar with a large angular size, **266,** 819
Gehard W. and Koprowski H. Persistence of virus-specific memory B cells in mice CNS, **266,** 360
Gelinas R. J., Hall D. K. and Nelson R. G. The observability of possible atmospheric removal processes for chlorfluorocarbons 11 and 12, **266,** 229
Gerisch G. *see under* Roos W., **266,** 259
Gettins P. *see under* Dwek R. A., **266,** 31
gGough D. I. *see under* Hutton V. R. S., **266,** 617
Ghodsian M. *see under* Adams B., **266,** 281
Gibbs J. and Smith G. P. Cholecystokinin produces bait shyness in rats — Reply, *matters arising*, **266,** 196
Giglioni B. *see under* Ottolenghi S., **266,** 231
Gillespie J. H. Sampling theory for alleles in a random environment, **266,** 443
Gilly W. F. and Hui C. S. Contractile activation in slow and twitch muscle fibres of the frog, **266,** 186
Gilmour S. Specificity of chromatin transcription, *news and views*, **266,** 304
Gisolfi C. V. *see under* Myers R. D., **266,** 178
Givol D. *see under* Dwek R. A., **266,** 31
Glowinski J. *see under* Nieoullon A., **266,** 375
Goad C. C. and Douglas B. C. Tidal acceleration of the moon deduced from observations of artificial satellites, **266,** 514
Godwin S. *see under* Carson S., **266,** 176
Goldman M. Scottish science and devolution, *news*, **266,** 208
Goldschvartz J. M. Magnetic superleaks, **266,** 824
Goldstein H. Estimation of heritability from IQ data on twins, *matters arising*, **266,** 279
Goodhardt M. J. *see under* Spillane J. A., **266,** 558
Goodman R. M. Infectious DNA from a whitefly-transmitted virus of *Phaseolus vulgaris*, **266,** 54
Goodwin T. W. *see under* Gritton G., **266,** 49
Goss W. M. *see under* Wallace P. T., **266,** 602
Goulmy E., Termijtelen A., Bradley B. A. and van Rood J. J. Y-antigen killing by T cells of women is restricted by HLA, **266,** 544
Grandjean O. *see under* Smit J. D. G., **266,** 536
Grant R. J., Hodge I. M., Ingram M. D. and West A. R. Conductivity dispersion in single-crystal beta-alumina electrolyte, **266,** 42
Gray J. E. Scrotal asymmetry, *matters arising*, **266,** 282
Gregson N. A., Kennedy M. and Leibowitz S. Gangliosides as surface antigens on cells isolated from the rat cerebellar cortex, **266,** 461
Grewal A. S. *see under* Rouse B. T., **266,** 456
Gribkoff V. *see under* Lynch G. S., **266,** 737
Gries W. Germany: growing acrimony, *news*, **266,** 109
Grimble R. F. *see under* Miller B. G., **266,** 184
Gronvold K. *see under* Björnsson A., **266,** 318
Groshong J. *see under* Malarkey W. B., **266,** 640
Grosswald M. G. *see under* Hughes T., **266,** 596
Gruen P. H. *see under* Langer G., **266,** 639
Guary J-C. *see under* Fowler S. W., **266,** 827
Guest J. E. *see under* Murray J. B., **266,** 338
Guggenheim R. *see under* Smit J. D. G., **266,** 536
Gunn J. M., Clark M. G., Knowles S. E., Hopgood M. F. and Ballard F. J. Reduced rates of proteolysis in transformed cells, **266,** 58
Hajkowicz L. A. Periodic fadings in VHF radio-satellite transmissions during the solar eclipse on 23 October 1976, **266,** 147
Hall D. K. *see under* Gelinas R. J., **266,** 229
Hall D. O. Maize in Yugoslavia, *news and views*, **266,** 775
Hall D. S. *see under* Bryant D. A., **266,** 148
Halpern F. S. *see under* Langer G., **266,** 639
Hamano M. *see under* Yajima S., **266,** 522
Hamano Y. Argon degassing models of Mars, **266,** 41
Hamill O. P. *see under* Adams D. J., **266,** 739
Handa S. *see under* Ohata K., **266,** 369
Hanson P. A fair exchange? *news*, **266,** 290
Harada H. and Suzuki S. Formation of amino acids from elemental carbon by contact glow discharge electrolysis, **266,** 275
Hardy W. D. Jr. and McClelland A. J. Control of feline leukaemia virus — Reply, *matters arising*, **266,** 384
Hardy W. T. *see under* Deutsch J. A., **266,** 196
Hargreaves W. R., Mulvihill S. J. and Deamer D. W. Synthesis of phospholipids and membranes in prebiotic conditions, **266,** 78
Harriman G. A. *see under* Britton G., **266,** 49
Harris J. I. *see under* Biesecker G., **266,** 328
Harris R. J. R. Picornavirus RNAs are interesting . . . and unique, *news and views*, **266,** 773
Harris W. A., Ready D. F., Lipson E. D., Hudspeth A. J. and Stark W. S. Vitamin A deprivation and *Drosophila* photopigments, **266,** 648
Harrison R. G. Parallel variation at an enzyme locus in sibling species of field crickets, **266,** 168
Hartley K. F. *see under* Wallace P. T., **266,** 692
Harvey M. D. *see under* Burton P. G., **266,** 826
Haslam C. G. T. *see under* Wielebinski R., **266,** 239
Hatchett S. P. *see under* Fabian A. C., **266,** 512
Hawarden T. G. *see under* Bok B. J., **266,** 145
Haworth D. P., McEwan N. J. and Watson P. A. Relationship between atmospheric electricity and microwave radio propagation, **266,** 703
Haworth R. T. The continental crust north-east of Newfoundland and its ancestral relationship to the Charlie Fracture Zone, **266,** 246
Hayashi J. *see under* Yajima S., **266,** 521
Hayhurst A. N. and Vince I. M. Production of 'prompt' nitric oxide and decomposition of hydrocarbons in flames, **266,** 524
Henderson D. C. *see under* Ceredig R., **266,** 74
Henn F. A., Anderson D. J. and Sellström A. Possible relationship between glial cells, dopamine and the effects of antipsychotic drugs, **266,** 637
Hermodson M. A. *see under* Koide T., **266,** 729
Hess R. *see under* Poinar G. O., **266,** 256
Heyraud M. *see under* Higgo J. J. W., **266,** 623
Higgo J. J. W., Cherry R. D., Heyraud M. and Fowler S. W. Rapid removal of plutonium from the oceanic surface layer by zooplankton faecal pellets, **266,** 623
Hill J. R. Long term solar activity forecasting using high-resolution time spectral analysis, **266,** 151
Hiller G. and Weber K. Spectrin is absent in various tissue culture cells, **266,** 181
Hillman W. S. Control of plant respiration through non-photosynthetic light action, **266,** 833
Hirsch H. and Nowotny H. Austria: a case study, *news*, **266,** 107
Hobart M. J. Complementary genetics, *news and views*, **266,** 681
Hodge I. M. *see under* Grant R. J., **266,** 42
Hodgson P. E. Reactions with excited alpha particles: ^{12}C (Alpha, Alpha′). **266,** 121
Short range nuclear forces, *news and views*, **266,** 222
Hofmann T. *see under* Hsu I. N., **266,** 140
Holt S. S. The 17-d periodicity of Cygnus X-3 — Reply, *matters arising*, **266,** 749
Holtzer H. *see under* Cohen R., **266,** 538
Hopgood M. F. *see under* Gunn J. M., **266,** 58
Howard A. J. *see under* Birchall J. D., **266,** 154
Howard J. C. *see under* Butcher G. W., **266,** 362
see under Galfre G., **266,** 550
H–2 and mating preferences, *news and views*, **266,** 406
Howe S. C. *see under* Galfre G., **266,** 550
Hoyle F. *see under* Sakata A., **266,** 241
Hoyle F. and Wickramasinghe N. C. Prebiotic molecules and interstellar grain clumps, **266,** 241
Hsu I. N., Delbaere L. T. J., James M. N. G. and Hofmann T. Penicillopepsin from *Penicillium janthinellum* crystal structure at 2.8 Å and sequence homology with porcine pepsin, **266,** 140
Hubert E. *see under* Huez G., **266,** 4[illegible]
Hudgin R. H. *see under* Stachnik R[illegible], **266,** 149
Hudspeth A. J. *see under* Harris W[illegible], **266,** 648
Huez G., Marbaix G., Burny A., Hubert E., Leclercq M., Cleuter Y., Chantrenne H., Soreq H. and Littauer U. S. Degradation of deadenylated rabbit alpha-globin mRNA in *Xenopus* oocytes is associated with its translation, **266,** 473
Hughes D. W. New Uranium satellite belt, *news and views*, **266,** 587
Pluto: the little-known planet, *news and views*, **266,** 307
The inconstant Sun, *news and views*, **266,** 405
Hughes T., Denton G. H. and Grosswald M. G. Was there a late Würm Arctic Ice Sheet? **266,** 596
Hui C. S. *see under* Gilly W. F., **266,** 186
Hulmes D. J. S. *see under* White S. W., **266,** 421
Hunt G. E. Super-rotating atmosphere of Venus, *news and views*, **266,** 15
Hutchinson R. Formation of planetary atmospheres, *news and views*, **266,** 771
Hutchison J. L. *see under* Franco M. A., **266,** 520
Hutton V. R. S., Sik J. M. and Gough D. I. Electrical conductivity and tectonics of Scotland, **266,** 617
Icke V. Radiative acceleration of gas above a luminous disk, **266,** 699
Idso S. B., Reginato R. J. and Jackson R. D. Albedo measurement for remote sensing of crop yields, **266,** 625
Iguchi T. *see under* Sakata A., **266,** 241
Ingram M. D. *see under* Grant R. J., **266,** 42
Inoue S., Bray G. A. and Mullen Y. S. Effect of transplantation of pancreas on development of hypothalamic obesity, **266,** 742
Inzani P. *see under* Mandolesi N., **266,** 427
Ishikawa T. *see under* Nakahara H., **266,** 165
Isobe S. *see under* Sakata A., **266,** 241
Ito M., Sless F. and Parrott M. V. Evidence for control of complement receptor rosette-forming cells by alpha and beta-adrenergic agents, **266,** 633
Iversen L. Anti-anxiety receptors in the brain? *news and views*, **266,** 678
Jackson R. D. *see under* Idso S. B., **266,** 625
Jacrot B., Chauvin C. and Witz J. Comparative neutron small-angle scattering study of small spherical RNA viruses, **266,** 417
Jalfre M. *see under* Porsolt R. D., **266,** 730
James M. N. G. *see under* Hsu I. N., **266,** 140
James W. P. T. *see under* Trayhurn P., **266,** 60
Janeway C. A. Jr. *see under* Peck A. B., **266,** 840
Jefferson D. A. *see under* Franco M. A., **266,** 520
Jerina D. M. *see under* Kapitulnik J., **266,** 378
Johnsen S. J. *see under* Paterson W. S. B., **266,** 508
Johnson C. B., Whittington W. J., Blackwood G. C. and Wallace W. Nitrate reductase as predictive test of crop yield — Reply, *matters arising*, **266,** 383
Johnson E. A. Difficulties in solving heparin structure, *news and views*, **266,** 305
Johnston A. Engineering nitrogen fixation, *news and views*, **266,** 588
Jones D. H. P. *see under* Wallace P. T., **266,** 692
Joss P. C. *see under* Rappaport S., **266,** 123
see under Rappaport S., **266,** 683
Jukes T. H. Consumer revolt, *news*, **266,** 674
Monster debate, *news*, **266,** 215
Pas de Concorde, *news*, **266,** 403
Jura M. Lack of dust in quasar absorption line systems, **266,** 702
Kao W. W.-Y. and Prockop D. J. Proline analogue removes

fibroblasts from cultured mixed cell populations, **266,** 63
Kapitulnik J., Levin W., Conney A. H., Yagi H. and Jerina D. M. Benzo(*a*)pyrene 7, 8-dihydrodiol is more carcinogenic than benzo(*a*)pyrene in newborn mice, **266,** 378
Kato G. *se under* Carson S., **266,** 176
Kemp G. E. *see under* Morley B. J., **266,** 848
Kennedy M. *see under* Gregson N. A., **266,** 461
Kenneth O. Bread-and-butter or exotica, *news,* **266,** 765
Kent D. V. and Opdyke N. D. Palaeomagnetic field intensity variation recorded in a Brunhes epoch deep-sea sediment core, **266,** 156
Kertész M., Koller J. and Azman A. Calculated forbidden band gap in periodic protein models indicating them to be insulators, **266,** 278
Khazal K. A. R. *see under* Durrani S. A., **266,** 411
Killander D. *see under* Ernberg I., **266,** 269
Klein G. *see under* Ernberg I., **266,** 269
Klein J. *see under* Zinkernagel R. M., **266,** 837
Klein J. and Briscoe B. J. The behaviour of long molecules diffusing in solid polyethylene, **266,** 43
Kling S. A. *see under* Soutar A., **266,** 136
Knecht D. A. and Luck D. N. Synthesis and processing of ribosomal RNA by the uterus of the ovariectomised adult rat during early oestrogen action, **266,** 563
Knorr D. *see under* Bidlingmaier F., **266,** 647
Knowles B. B. *see under* Doherty P. C., **266,** 361
Knowles S. E. *see under* Gunn J. M., **266,** 58
Kobayashi G. S. *see under* Maresca B., **266,** 447
Koerner R. M. *see under* Paterson W. S. B., **266,** 508
Kofoed-Hansen O. Unsolved problems in nuclear structure, *news and views,* **266,** 117
Koide T., Hermodson M. A. and Davie E. W. Active site of bovine factor XI (plasma thromboplastin antecedent), **266,** 729
Koller J. *see under* Kertész M., **266,** 278
Koncewicz M. A. *see under* Wilkinson B. J., **266,** 174
Kondo I. *see under* Nakahara H., **266,** 165
Koprowski H. *see under* Gerhard W., **266,** 360
Koren H. S. *see under* Ono A., **266,** 546
Krebs J. Parental care, *news and views,* **266,** 499
Krishnaswami S. and Lal D. Particulate organic carbon in Atlantic surface waters, **266,** 713
Kronberg P. P. *see under* Wielebinski R., **266,** 239
Kukla G. and Zijderveld J. D. A. Megnetostratigraphic pitfalls, *news and views,* **266,** 774
Kulkarni V. H. Amplification of cosmic Cerenkov radiation, **266,** 513
Kundt W. Is Cas A illuminated by a binary system? **266,** 334
Kuno H. *see under* Dodds J., **266,** 614
Kunz B. *see under* Schmidtke J., **266,** 532
LaFiandra A. *see under* Furuichi Y., **266,** 235
Lainson R., Ward R. D. and Shaw J. J. Experimental transmission of *Leishmania chagasi,* causative agent of neotropical visceral leishmaniasis, by the sandfly *Lutzomyia longipalpis,* **266,** 628
Lake S. M. *see under* Rowe M. W., **266,** 612
Lal D. *see under* Krishnaswami S., **266,** 713
Landau E. M. *see under* Richter J., **266,** 70
Langer G., Sachar E. J., Gruen P. H. and Halpern F. S. Human proclactin responses to neuroleptic drugs correlate with antischizophrenic potency, **266,** 639
Lapwood E. R. Earthquake prediction *news and views,* **266,** 220
Larsson C. *see under* Weber P. C., **266,** 65
Lawrence E. Eukaryotic chromosome structure, *news and views,* **266,** 120
Le Pichon M. *see under* Porsolt R. D., **266,** 730
Le Sergeant L. *see under* Rasool S. I., **266,** 822
Leclercq M. *see under* Huez G., **266,** 473
Lee C. D., Ross R. G. and Vine F. J. New transient effect observed in rock samples subjected to simulated *upper crustal conditions,* **266,** 44
Leibowitz S. *see under* Gregson N. A., **266,** 461
Lennie P. Neuroanatomy of visual acuity, *news and views,* **266,** 496
Lennon A.-M. *see under* Francon J., **266,** 188
Lent C. M. and Frazer B. M. Connectivity of the monoamine–containing neurones in centPal nervous system of leech, **266,** 844
Lenz J. R. and Baglioni C. Haemin protects Met-tRNAf binding activity of isolated reticulocyte ribosomes from inactivation by protein kinase, **266,** 191
Lepine D. R. *see under* Bryant D. A., **266,** 148
Lester H. A. and Chang H. W. Response of acetylcholine receptors to rapid photochemically produced increase in agonist concentration, **266,** 373
Leventhal M., MacCallum C. J. and Watts A. C. Possible gamma-ray line from Crab Nebula, **266,** 696
Levin W. *see under* Kapitulnik J., **266,** 378
Levy H. M. *see under* Shukla K. K., **266,** 190
Lewin W. H. G. *see under* Ryckman S. G., **266,** 431
Lewis B. T. R. and Snydsman W. E. Evidence for a low velocity layer at the base of the oceanic crust, **266,** 340
Libby L. M. and Pandolfi L. J. Climate periods in tree, ice and tides, **266,** 415
Libby L. M. and Pandolfi L. J. Isotope three thermometers — Reply, *matters arising,* **266,** 478
Lichtensteiger W. and Lienhart R. Response of mesencephalic and hypothalamic dopamine neurones to alpha-MSH: mediated by area postrema, **266,** 635
Lienhart R. *see under* Lichtensteiger W., **266,** 635
Lilley F. E. M. and Woods D. V. Magnetic observations of the solar eclipse of 23 October 1976 in Australia, **266,** 823
Lilly F. *see under* Bubbers J. E., **266,** 458
Lim J. J. *see under* Fischbarg J., **266,** 71
Lim P. H. *see under* Cooperstock F. I., **266,** 609
Lindgren V. and Rowley J. D. Comparable complex rearrangements involving 8;21 and 9;22 translocations in leukaemia, **266,** 744
Lindley M. Plants and animals interact, *news and views,* **266,** 776
Lindner H. R. *see under* Winstein Y., **266,** 632
Lints F. A. and Soliman M. H. Growth rate and longevity in *Drosophila melanogaster* and *Tribolium castaneum,* **266,** 624
Lipson E. D. *see under* Harris W. A., **266,** 648
Litchfield P. New light on old mesons, *news and views,* **266,** 772
Littauer U. Z. *see under* Huez G., **266,** 473
Little J. B. *see under* Weichselbaum R. R., **266,** 726
Litwin S. D. and Zanjani E. D. Lymphocytes suppressing both immunoglobulin production and erythroid differentation in hypogammaglobulinaemia, **266,** 57
Liu V. C. Towards a theory of stochastic vorticity-augmentation, **266,** 825
Lloyd E. L. *see under* Loutit J. F., **266,** 355
Lockley W. J. S. *see under* Britton G., **266,** 49
Lockwood M. P., Rothschild H. and Wilson M. Early viral functions of *in* (ts)-1501 temperature-sensitive SV40 mutant, **266,** 720
Loh H. H. *see under* Simpson D. L., **266,** 367
Long D. H. *see under* Quigley M. J. S., **266,** 38
Loutit J. F. and Lloyd E. L. Tumours and viruses in mice injected with plutonium, **266,** 355
Low P. S. *see under* Somero G. N., **266,** 276
Luck D. N. *see under* Knecht D. A., **266,** 563
Lundin L. *see under* Ernberg I., **266,** 269
Lupton J. E., Weiss R. F. and Craig H. Mantle helium in the Red Sea brines, **266,** 244
Luther P. D. *see under* Nuttall P. A., **266,** 835
Luykx P. *see under* Syren R. M., **266,** 167
Lynch G. S., Dunwiddie T. and Gribkoff V. Heterosynaptic depression: a postsynaptic correlate of long-term potentiation, **266,** 737
Lyne A. G. *see under* Wallace P. T., **266,** 692
MacCallum C. J. *see under* Leventhal M., **266,** 696
MacCallum J. R. and Rudkin L. Non-radiative energy transfer in polymers, **266,** 338
Macintyre D. *see under* Toews D., **266,** 464
MacNichol D. D., Hardy A. D. U. and Wilson D. R. Crystal and molecular structure of a 'hexa-host' inclusion compound, **266,** 611
MacPherson C. F. C. and Armstrong H. Prevention of experimental allergic encephalitis in Lewis rats by rat and bovine spinal cord proteins, **266,** 459
Mahajan S. K. and Datta A. R. Nature of recombinants produced by the RecBC and the RecF pathways in *Escherichia coli,* **266,** 652
Malarkey W. B., Groshong J. and Milo G. E. Defective dopaminergic regulation of prolactin secretion in a rat pituitary tumour cell line, **266,** 640
Malcolm S. Prenatal detection of thalassaemia, *news and views,* **266,** 219
Maldonado A. *see under* Stanley D. J., **266,** 129
Malkinson A. M. *see under* Wehner J. M., **266,** 842
Manchanda R. K. *see under* Carter J. C., **266,** 750
Manchanda R. K. and Ramsden D. The possible galactic origin of gamma-ray bursts, **266,** 425
Manchester R. N. *see under* Wallace P. T., **266,** 692
Mandolesi N., Morigi G., Inzani P., Sironi G., Delli Santi F. S., Delpino F., Petessi M. and Abrami A. Possible detection of a radio event correlated with a gamma-ray burst, **266,** 427
Marbaix G. *see under* Huez G., **266,** 473
Marcus P. I. and Sekellick M. J. Defective interfering particles with covalently linked [±]RNA induce interferon, **266,** 815
Maresca B., Medoff G., Schlessinger D., Kobayashi G. S. and Medoff J. Regulation of dimorphism in the pathogenic fungus *Histoplasma capsulatum,* **266,** 447
Marriott K. R. M. *see under* Akberali H. B., **266,** 852
Martin D. L. *see under* Miller L. P., **266,** 847
Martinis J. and Bach F. H. Human LD antigens are present on xenogeneic cells, **266,** 540
Masaro E. J. *see under* Bertrand H. A., **266,** 62
Mason H. *see under* Borek C., **266,** 452
Mason R. W. N. *see under* Bryant D. A., **266,** 148
Mason T. R. and Brunn V. V. 3-Gyr-old stromatolites from South Africa, **266,** 47
Masson P. L., Delire M. and Cambiaso C. L. Circulating immune complexes in normal human pregnancy, **266,** 542
Massoulie M. *see under* Carson S., **266,** 176
Masuda A. *see under* Shimizu H., **266,** 346
Matano T. *see under* Sano Y., **266,** 159
Matsuda T. and Nelson A. H. A galactic vacuum cleaner? **266,** 607
May R. M. Of winged beans and Wom Poms, *news and views,* **266,** 590
McArthur J. M. and Elderfield H. Metal accumulation rates in sediments from Mid-Indian Ocean Ridge and Marie Celeste Fraction Zone, **266,** 437
McCann J. *see under* Ohashi K., **266,** 610
McCarroll J. J., Mould R. W., Silver H. B. and Sims M. L. Auger electron spectroscopy of wear surfaces, **266,** 518
McClelland A. J. *see under* Hardy W. D. Jr, **266,** 384
McClintock P. V. E. Spin waves in superfluid ^{3}He, *news and views,* **266,** 680
McEwan N. J. *see under* Haworth D. P., **266,** 703
McFadden P. L. *see under* Brock A., **266,** 249
McIver J. R. *see under* Cawthorn R. G., **266,** 716
McKenzie B. *see under* Demany L., **266,** 718
McWeeney D. J. *see under* Davies R., **266,** 657
Medoff G. *see under* Maresca B., **266,** 447
Medoff J. *see under* Maresca B., **266,** 447
Mellanby K. Fishing line, *news,* **266,** 298
Grade expectations, *news,* **266,** 115
Man management, *news,* **266,** 11
Publish or perish, *news,* **266,** 584
Mendis A. *see under* Alfvén H., **266,** 698
Michaels G. A. *see under* Cidlowski J. A., **266,** 643
Michaud G. Diffusion time scales and accretion in the Sun, **266,** 433
Miller A. *see under* White S. W., **266,** 421
Miller B. G., Grimble R. F. and Taylor T. G. Liver protein metabolism response to cold in genetically obese (*ob/ob*) mice, **266,** 184
Miller L. P., Walters J. R. and Martin D. L. Post-mortem changes implicate adenine nucleotides and pyridoxal-5′-phosphate in regulation of brain glutamate decarboxylase, **266,** 847
Millero F. J. *see under* Chen C.-T., **266,** 707
Milo G. E. *see under* Malarkey W. B., **266,** 640
Milstein C. *see under* Galfre G., **266,** 550
Mishra N. K., Pant K. J., Wilson C. M. and Thomas F. O. Carcinogen-induced mutations at two separate genetic loci are not enhanced by leukaemia virus infection, **266,** 548
Mitsuhashi S. *see under* Nakahara H., **265,** 165
Moeyersons J. *see under* Cahen D., **266,** 812
Montal M. *see under* Trissl H.-H., **266,** 655
Moore P. D. Palynology at Lucknow, *news and views,* **266,** 308
Mora F. *see under* Myers R. D., **266,** 178
Morgan J. A. *see under* Clayton D. D., **266,** 712
Morigi G. *see under* Mandolesi N., **266,** 427
Morimoto M. *see under* Sakata A., **266,** 241
Morley B. J., Robinson G. R., Brown G. B., Kemp G. E. and Bradley R. J. Effects of dietary choline on nicotinic acetylcholine receptors in brain, **266,** 848
Morris W. A. and Roy J. L. Discovery of the Hadrynian Polar Track and further study of the Grenville problem, **266,** 689
Mould R. W. *see under* McCarroll J. J., **266,** 518
Muir M. S. Possible solar control of North Atlantic oceanic climate, *matters arising,* **266,** 475
Mullen Y. S. *see under* Inoue S., **266,** 742
Mulvihill S. J. *see under* Hargreaves W. R., **266,** 78
Murdin P. G. *see under* Wallace P. T., **266,** 692
Murphy B. E. P. Chorionic membrane as an extra-adrenal source of foetal cortisol in human amniotic fluid, **266,** 179
Murray J. B., Guest J. E. and Butterworth P. S. Large ground deformation on Mount Etna volcano, **266,** 338
Myers R. D., Gisolfi C. V. and Mora F. Calcium levels in the brain underlie temperature control during exercise in the primate, **266,** 178
Nagahari K., Sano Y. and Sakaguchi K. Depression of *E. coli trp* operon on interfamilial transfer, **266,** 745
Nairn R. C. *see under* Ceredig R., **266,** 74
Nakagawa N. *see under* Sakata A., **266,** 241
Nakahara H., Ishikawa T., Sarai Y., Kondo I. and Mitsuhashi S. Frequency of heavy-metal resistance in bacteria from inpatients in Japan, **266,** 165
Nakamura K. and Nakamura K. Selective activation of sympathetic ganglia in young sponteneously hypertensive rats, **266,** 265
Naraine M. Directing Cuba's science, *news,* **266,** 578
Narang H. K. Right-left asymmetry of myelin development in epiretinal portion of rabbit optic nerve, **266,** 855
Nelson A. H. *see under* Matsuda T., **266,** 607
Nelson R. G. *see under* Gelinas R. J., **266,** 229
Neumann F. *see under* Bidlingmaier F., **266,** 647
New P. B. *see under* Campacci E. F., **266,** 164
Newell P. F. *see under* Appleton T. C., **266,** 854
Nieoullon A., Cheramy A. and Glowinski J. Release of dopamine *in vivo* from cat substantia nigra, **266,** 375
Niman H. L., Stephenson J. R., Gardner M. B. and Roy-Burman P. RD-114 and feline leukaemia virus genome expression in natural lymphomas of domestic cats, **266,** 357
Nisenson P. *see under* Stachnik R. V., **266,** 149
Norden B. Was photoresolution of amino acids the origin of optical activity in life? **266,** 567
Norman C. 'Re-usability' is the catchword, *news,* **266,** 489
Novakov T. *see under* Rosen H., **266,** 708
Nove J. *see under* Weichselbaum R. R., **266,** 726
Nowotny H. *see under* Hirsch H., **266,** 107
Nunez J. *see under* Francon J., **266,** 188
Nuttall P. A., Luther P. D. and Stott E. J. Viral contamination of bovine foetal serum and cell cultures, **266,** 835
Obata K., Oide M. and Handa S. Effects of glycolipids on *in vitro* development of neuromuscular junction, **266,** 369
Oeschger H. *see under* Paterson W. S. B., **266,** 508
O'Hara M. J. Geochemical evolution during fractional crystallisation of a periodically refilled magna chamber, **266,** 503
Ohashi K., McCann J. and Bockris J. O'M. Stable photoelectrochemical cells for the splitting of water, **266,** 610
Ohno S. Molecular human cytogenetics, *news and views,* **266,** 589
Oide M. *see under* Obata K., **266,** 369
Okada Y. *see under* Uchida T., **266,** 839
Okamoto H., Takahashi K. and Yamashita N. One-to-one binding of a purified scorpion toxin to Na channels, **266,** 465
Okamura K. *see under* Yajima S. , **266,** 521
Ono A., Amos D. B. and Koren H. S. Selective cellular natural killing against human leukaemic T cells and thymus, **266,** 546
Opdyke N. D. *see under* Kent D. V., **266,** 156
Ottolenghi S., Comi P., Giglioni B., Williamson R., Vullo G. and Conconi F. Direct demonstration of beta-globin

mRNA in homozygous Ferrara beta-thalassaemia patients, **266**, 231
Owens A. J. The 17-d periodicity of Cygnus X-3, *matters arising*, **266**, 749
Oxford J. S. *see under* Virelizier J. L., **266**, 52
Pacholczyk A. G. *see under* Christiansen W. A., **266**, 593
Pacht E. *see under* Gearhart M. R., **266**, 819
Pacifici M. *see under* Cohen R., **266**, 538
Packard G. C., Sotherland P. R. and Packard M. J. Adaptive reduction in permeability of avian eggshells to water vapour at high altitudes, **266**, 255
Packard M. J. *see under* Packard G. C., **266**, 255
Pain C. *see under* Borek C., **266**, 452
Pandolfi L. J. *see under* Libby L. M., **266**, 415
see under Libby L. M., **266**, 478
Pant K. J. *see under* Mishra N. K., **266**, 548
Pantano C. G. *see under* El-Shamy T. M., **266**, 704
Parkin D. W., Sullivan R. A. L. and Andrews J. N. Cosmic spherules as rounded bodies in space, **266**, 515
Parrott M. V. *see under* Ito M., **266**, 633
Partridge T. C. *see under* Brock A., **266**, 249
Patel C., Pyle T. and Rollins V. Corrosion-fatigue crack initiation in metals, **266**, 517
Paterson W. S. B., Koerner R. M., Fisher D., Johnsen S. J., Clausen H. B., Dansgaard W., Bucher P. and Oeschger H. An oxygen-isotope climatic record from the Devon Island ice cap, arctic Canada, **266**, 508
Paul S. M. and Skolnick P. Catechol oestrogens inhibit oestrogen elicited accumulation of hypothalamic cyclic AMP suggesting role as endogenous anti-oestrogens, **266**, 559
Payne P. R. *see under* Dugdale A. E., **266**, 349
Peck A. B., Janeway C. A. Jr, and Wigzell H. T lymphocyte responses to *Mls* locus antigens involve recognition of *H-21* region gene products, **266**, 840
Pemberton J. M. and Tucker W. T. Naturally occurring viral R plasmid with a circular supercoiled genome in the extracellular state, **266**, 50
Perkins S. J. *see under* Dwek R. A., **266**, 31
Perry D. A. Oxygen isotope ratios in spruce cellulose, *matters arising*, **266**, 476
Peterson B. A. *see under* Wallace P. T., **266**, 692
Petessi M. *see under* Mandolesi N., **266**, 427
Petrarca V. *see under* Coluzzi M., **266**, 832
Pettitt J. M. Detection in primitive gymnosperms of proteins and glycoproteins of possible significance in reproduction, **266**, 530
Pleau J.-M. *see under* Bach J.-F., **266**, 55
Poinar G. O. and Hess R. Virus-like particles in the nematode *Romanomeris culicivorax* (Mermithidae), **266**, 256
Pollack H. N. *see under* Cowan I. M., **266**, 615
Porsolt R. D., Le Pichon M. and Jalfre M. Depression: a new animal model sensitive to antidepressant treatments, **266**, 730
Preston A. *see under* Purdom C. E., **266**, 396
Preston R. D. Verstaile polysaccharides, *news and views*, **266**, 302
Prockop D. J. *see under* Kao W. W.-Y., **266**, 63
Proctor M. R. E. *see under* Galloway D. J., **266**, 686
Purdom C. E. and Preston A. A fishy business, *news*, **266**, 396
Purpura D. P. and Baker H. J. Neurite induction in mature cortical neurones in feline G_{M1} ganglioside storage disease, **266**, 553
Pyle T. *see under* Patel C., **266**, 517
Pyykkö P. and Desclaux J. P. Dirac–Fock one-centre calculations show (114)H_4 to resemble PbH_4, **266**, 336
Quigley M. J. S. and Long D. H. Redshift effect on the timescale of quasar radio variability, **266**, 38
Raff M. C. *see under* Brockes J. P., **266**, 364
Raghavenrda A. S. *see under* Das V. S. R., **266**, 282
Raisman G. *see under* Rotter A., **266**, 732
Ralston E. *see under* Deslauriers R., **266**, 746
Ramsden D., *see under* Carter J. C., **266**, 750
Ramsden D. *see under* Manchanda R. K., **266**, 425
Rao I. M. *see under* Das V. S. R., **266**, 282
Rappaport S. and Joss P. C. Accretion torques in X-ray pulsars, **266**, 683
Rappaport S. and Joss P. C. Binary X-ray pulsars, *review article*, **266**, 123
Rasool S. I. and Le Sergeant L. Implications of the Viking results for volatile outgassing from Earth and Mars, **266**, 822
Raviola E. *see under* Wiesel T. N., **266**, 66
Ray G. Freedom for whales, *news*, **266**, 762
Ready D. F. *see under* Harris W. A., **266**, 648
Rees M. J. A better way of searching for black-hole explosions? **266**, 333
Reginzto R. J. *see under* Idso S. B., **266**, 625
Reinisch J. M. see under Gandelman R., **266**, 722
Prenatal exposure of human foetuses to synthetic progestin and oestrogen affects personality, **266**, 561
Rich V. A partial triumph, *news*, **266**, 668
Richards G. Dimeric water molecules, *news and views*, **266**, 409
Laster dissociation, *news and views*, **266**, 303
Minicomputers for quantum chemists, *news and views*, **266**, 18
Richardson K. *see under* Adams B., **266**, 281
Richelson E. Antipsychotics block muscarinic acetylcholine receptor-mediated cyclic GMP formation in cultured mouse neuroblastoma cells, **266**, 371
Richter J., Landau E. M. and Cohen S. Anaesthetic and convulsant ethers act on different sites at the crab neuromuscular junction *in vitro*, **266**, 70
Ricker G. R. *see under* Ryckman S. G., **266**, 431
Ritter M. A., Cleaver J. E. and Tobias C. A. High-LET radiations induce a large proportion of non-rejoining DNA breaks, **266**, 653
Roa K. V. *see under* Deutsch E. R., **266**, 314
Robert S. Now, the implementation problem, *news*, **266**, 764
Roberts M. and Falkow S. Conjugal transfer of R plasmids in *Neisseria gonorrhoeae*, **266**, 630
Robertson M. Neural systems, *news and views*, **266**, 499
Robinson G. R. *see under* Morley B. J., **266**, 848
Robinson W. H. *see under* Tallon J. L., **266**, 337
Roelofsen W. *see under* van Straten J., **266**, 257
Rogers M. J. *see under* Ting C-C., **266**, 727
Rolland N. New aspects of Middle Palaeolithic variability in western Europe, **266**, 251
Rollins V. *see under* Patel C., **266**, 517
Roos W., Scheidegger C. and Gerisch G. Adenylate cyclase activity oscillations as signals for cell aggregation in *Dictyostelium discoideum*, **266**, 259
Rosa J. *see under* Bach J.-F., **266**, 55
Roscoe H. K. *see under* Eyre J. R., **266**, 243
Rosen H. and Novakov T. Raman scattering and the characterisation of atmospheric aerosol particles, **266**, 708
Ross R. G. *see under* Lee C. D., **266**, 44
Rothschild H. *see under* Lockwood M. P., **266**, 720
Rothschild M. and Schoonhoven L. M. Assessment of egg load by *Pieris brassicae* (Lepidoptera: Pieridae), **266**, 352
Rothschild M., Rowan M. G. and Fairbairn J. W. Storage of cannabinoids by *Arctia caja* and *Zonocerus elegans* fed on chemically distinct strains of *Cannabis sativa*, **266**, 650
Rotter A., Birdsall N. J. M., Burgen A. S. V., Field P. M. and Raisman G. Axotomy causes loss of muscarinic receptors and loss of synaptic contacts in the hypoglossal nucleus, **266**, 732
Rouse B. T., Grewal A. S. and Babiuk L. A. Complement enhances antiviral antibody-dependent cell cytotoxicity, **266**, 456
Rowan M. G. *see under* Rothschild M., **266**, 650
Rowe M. W., Lake S. M. and Fanick R. Effect of magnetic field on reduction of iron oxides: magnetite and wüstite, **266**, 612
Rowley J. D. *see under* Lindgren V., **266**, 744
Roy J. L. *see under* Morris W. A., **266**, 689
Roy-Burman P. *see under* Niman H. L., **266**, 357
Rubinstein N. *see under* Cohen R., **266**, 538
Rudkin L. *see under* MacCallum J. R., **266**, 338
Ruff R. L. *see under* Dionne V. E., **266**, 263
Russell G. J. and Subak-Sharpe J. H. Similarity of the general designs of protochordates and invertebrates, **266**, 533
Ryckman S. G., Ricker G. R., Scheepmaker A., Ballintine J. E., Doty J. P., Downey P. M. and Lewin W. H. G. Transient structure in the high-energy X-ray light curve of NP0532, **266**, 431
Sabatini A. *see under* Coluzzi M., **266**, 832
Sachar E. J. *see under* Langer G., **266**, 639
Saemundsson K. *see under* Björnsson A., **266**, 318
Sakaguchi K. *see under* Nagahari K., **266**, 745
Sakata A., Nakagawa N., Iguchi T., Isobe S., Morimoto M., Hoyle F. and Wickramasinghe N. C. Spectroscopic evidence for interstellar grain clumps in meteoritic inclusions, **266**, 241
Sano Y. *see under* Nagahari K., **266**, 745
Sano Y., Matano T. and Ujihara A. Growth of *Pinus pumila* and climate fluctuations in Japan, **266**, 159
Sarai Y. *see under* Nakahara H., **266**, 165
Sato J. *see under* Sato K., **266**, 439
Sato K. and Sato J. Estimation of gas-releasing efficiency of erupting magma from ^{226}Ra–^{222}Rn disequilibrium, **266**, 439
Saunders J. R. Transferable drug resistance in the gonococcus, *news and views*, **266**, 586
Schagen P. Some recent developments in remote sensing, *review article*, **266**, 223
Scheepmaker A. *see under* Ryckman S. G., **266**, 431
Scheidegger C. *see under* Roos W., **266**, 259
Scherer B. *see under* Weber P. C., **266**, 65
Schild G. C. *see under* Virelizier J. L., **266**, 52
Schirf V. E. *see under* Stachnik R. V., **266**, 149
Schlessinger D. *see under* Maresca B., **266**, 447
Schmidt W. K. H. *see under* Cline T. L., **266**, 694
see under Cline T. L., **266**, 749
Schmidtke J., Weiler C., Kunz B. and Engel W. Isozymes of a tunicate and a cephalochordate as a test of polyploidisation in chordate evolution, **266**, 532
Schoonhoven L. M. *see under* Rothschild M., **266**, 352
Schurch K. E. and Ashbee K. H. G. A near perfect shape-memory ceramic material, **266**, 706
Scott I. R. *see under* Wilkinson B. J., **266**, 174
Scott J. S. *see under* Christiansen W. A., **266**, 593
Sekellick M. J. *see under* Marcus P. I., **266**, 815
Sellström A. *see under* Henn F. A., **266**, 637
Sharkey N. A. *see under* Bradley M. O., **266**, 724
Sharrock S. Europe's satellite for science, *news*, **266**, 666
Research is the watchword, *news*, **266**, 491
Shatkin A. J. *see under* Furuichi Y., **266**, 235
Shaw J. J. *see under* Lainson R., **266**, 628
Sheppard J. R. *see under* Wehner J. M., **266**, 842
Sherwell C. Heading for harmony? *news*, **266**, 2
Shimizu H. and Masuda A. Cerium in chert as an indication of marine environment of its formation, **266**, 346
Shishido T. *see under* Yajima S., **266**, 522
Shukla K. K. and Levy H. M. Evidence from oxygen exchange measurements for a cooperative interaction between the two heads of myosin, **266**, 190
Shum W. K. *see under* Cuthbert A. W., **266**, 468
Sides K. *see under* Tashjian A. H., **266**, 645
Sik J. M. *see under* Hutton V. R. S., **266**, 617
Silver H. B. *see under* McCarroll J. J., **266**, 518
Sim M. E. *see under* Bok B. J., **266**, 145
Simpson D. I. H. and Zuckerman A. J. Marburg and Ebola: viruses in search of a relation, *news and views*, **266**, 217
Simpson D. L., Thorne D. R. and Loh H. H. Developmentally regulated lectin in neonatal rat brain, **266**, 367
Sims M. L. *see under* McCarroll J. J., **266**, 518
Singh L. *see under* Singh R. N., **266**, 40
Singh R. N., Singh L. and Singh R. P. Whistlers recorded at Varanasi, **266**, 40
Singh R. P. *see under* Singh R. N., **266**, 40
Sironi G. *see under* Mandolesi N., **266**, 427
Skolnick P. *see under* Paul S. M., **266**, 559
Sless F. *see under* Ito M., **266**, 633
Smalley I. J. Landslides in sensitive soils, *news and views*, **266**, 408
Smedley S. I. *see under* Tallon J. L., **266**, 337
Smit J. D. G., Grandjean O., Guggenheim R. and Winterhalter K. H. Haemoblobin crystals in the midgut of the tick *Ornithodorus moubata* Murray, **266**, 536
Smith A. P. Albinism in relation to competition in bamboo *Phyllostachys bambusoides*, **266**, 527
Smith F. G. *see under* Wallace P. T., **266**, 692
Smith G. P. *see under* Gibbs J., **266**, 196
Smith P. J. Continental drift changes climate, *news and views*, **266**, 592
Palmdale bulge changes shape, *news and views*, **266**, 407
Polarity time scale extended by 2Myr, *news and views*, **266**, 219
Smith S. J. Probing facilitated transport, *news and views*, **266**, 306
Smythe C. M. and Eddy J. A. Planetary tides during the Maunder Sunspot Minimum, **266**, 434
Snydsman W. E. *see under* Lewis B. T. R., **266**, 340
Soliman M. H. *see under* Lints F. A., **266**, 624
Solter D. *see under* Doherty P. C., **266**, 361
Somero G. N. and Low P. S. Enzyme hydration may explain catalytic efficiency differences among lactate dehydrogenase homologues, **266**, 276
Somorjai R. L. *see under* Deslauriers R., **266**, 746
Songaila A. *see under* Cowie L. L., **266**, 501
Soreq H. *see under* Huez G., **266**, 473
Sotherland P. R. *see under* Packard G. C., **266**, 255
Soutar A., Kling S. A., Crill P. A., Duffrin E. and Bruland K. W. Monitoring the marine environment through sedimentation, **266**, 136
Spillane J. A., White P., Goodhardt M. J., Flack R. H. A., Bowen D. M. and Davison A. N. Selective vulnerability of neurones in organic dementia, **266**, 558
Spooner E. T. C. and Bray C. J. Hydrothermal fluids of sea water salinity in ophiolitic sulphide ore deposits in Cyprus, **266**, 808
Spurgeon D. Grow your own grass, *news*, **266**, 207
Squires R. F. and Braestrup C. Benzodiazepine receptors in rat brain, **266**, 732
Stachnik R. V., Nisenson P., Ehn D. C., Hudgin R. H. and Schirf V. E. Speckle image reconstruction of solar features, **266**, 149
Stanley D. J. and Maldonado A. Nile Cone: Late Quaternary stratigraphy and sediment dispersal, **266**, 129
Stark R. F. and Connors P. A. Observational test for the existence of a rotating black hole in Cyg X-1, **266**, 429
Stark W. S. *see under* Harris W. A., **266**, 648
Stein L. *see under* Belluzzi J. D., **266**, 556
Stephenson J. R. *see under* Niman H. L., **266**, 357
Stephenson J. R. and Aaronson S. A. Endogenous C-type viral expression in primates, **266**, 469
Stetten D. A parable on recombination, *news*, **266**, 488
Storm-Mathisen J. *see under* Divac I., **266**, 377
Stott E. J. *see under* Nuttall P. A., **266**, 835
Streilein J. W. *see under* Zinkernagel R. M., **266**, 837
Subak-Sharpe J. H. *see under* Russell G. J., **266**, 533
Sullivan R. A. L. *see under* Parkin D. W., **266**, 515
Sundberg S. H. *see under* Anderson P ., **266**, 736
Sutton B. *see under* Dwek R. A., **266**, 31
Sveen O. *see under* Anderson P., **266**, 736
Syren R. M. and Luykx P. Permanent segmental interchange complex in the termite, *Incisitermes schwarzi*, **266**, 167
Takahashi K. *see under* Okamoto H., **266**, 465
Tallon J. L., Robinson W. H. and Smedley S. I. A melting criterion based on the dilatation dependence of shear moduli, **266**, 337
Tang J. Acid proteases come of age, *news and views*, **266**, 119
Tashjian A. H. Jr, Tice J. E. and Sides K. Biological activities of prostaglandin analogues and metabolites on bone in organ culture, **266**, 645
Taylor T. G. *see under* Miller B. G., **266**, 184
Tchan Y. T. *see under* Campacci E. F., **264**, 164
Teegarden B. J. *see under* Cline T. L., **266**, 694
Termijtelen A. *see under* Goulmy E., **266**, 544
Thomas F. O. *see under* Mishra N. K., **266**, 548
Thomas J. M. *see under* Franco M. A., **266**, 520
Thompson E. J. Muscle diseases at Birmingham, *news and views*, **266**, 16
Thomson A. J. Redox potentials of iron-sulphur clusters, *news and views*, **266**, 771
Thorne D. R. *see under* Simpson D. L., **266**, 367
Thurlby P. L. *see under* Trayhurn P., **266**, 60
Tice J. E. *see under* Tashjian A. H., **266**, 645
Tilby M. J. Helical shape and wall synthesis in a bacterium, **266**, 450
Timmins P. A. *see under* White S. W., **266**, 421

Ting C-C. and Rogers M. J. Inhibition by sera and soluble antigens of T-cell-mediated cytotoxicity against leukaemia-associated antigens, **266,** 727
Tobias C. A. *see under* Ritter M. A., **266,** 653
Toews D. and Macintyre D. Blood respiratory properties of a viviparous amphibian, **266,** 464
Toksöz M. N. *see under* Bird P., **266,** 161
Tolhurst D. J. Colour-coding properties of sustained and transient channels in human vision, **266,** 266
Tolo K. *see under* Brandtzaeg P., **266,** 262
Trayhurn P., Thurlby P. L. and James W. P. T. Thermogenic defect in pre-obese *ob/ob* mice, **266,** 60
Trissl H.-W. and Montal M. Electrical demonstration of rapid light-induced conformational changes in bacteriorhodopsin, **266,** 655
Trueman E. R. *see under* Akberali H. B., **266,** 852
Tryggvason E. *see under* Ejörnsson A., **266,** 318
Tsiapalis C. M. Chemical modification of DNA polymerase phosphoprotein from avian myeloblastosis virus, **266,** 27
Tucker J. B. Shape and pattern specification during microtubule bundle assembly, **266,** 22
Tucker W. T. *see under* Pemberton J. M., **266,** 50
Uchida T., Yamaizumi M. and Okada Y. Reassembled HVJ (Sendai virus) envelopes containing non-toxic mutant proteins of diphtheria toxin show toxicity to mouse L cell, **266,** 839
van Heemert C. Synthesis of compound chromosomes from a pericentric innversion in the onion fly *Hylemya antiqua*, **266,** 445
van Rood J. J. *see under* Goulmy E., **266,** 544
van Straten J., Akkermans A. D. L. and Roelofsen W. Nitrogenase activity of endophyte suspensions derived from root nodules of *Alnus, Hippophae* and *Shepherdia Myrica* spp., **266,** 257
Veerman A. Photoperiodic termination of diapause in spider mites, **266,** 526
Venis M. A. Solubilisation and partial purification of auxin-binding sites of corn membranes, **266,** 268
Vetta A. Assortative mating — Reply, *matters arising*, **266,** 195
Estimation of heritability from IQ data on twins, *matters arising*, **266,** 279
Vince I. M. *see under* Hayhurst A. N., **266,** 524
Vine F. J. *see under* Lee C. D., **266,** 44
The continental drift debate, *review article*, **266,** 19
Virelizier J. L., Allison A. C., Oxford J. S. and Schild G. C. Early presence of ribonucleoprotein antigen on surface of influenza virus-infected cells, **266,** 52
vom Saal F. S. *see under* Gandelman R., **266,** 722
Vullo G. *see under* Ottolenghi S., **266,** 231
Vurpillot E. *see under* Demany L., **266,** 718
Wain-Hobson S. *see under* Dwek R. A., **266,** 31
Waldthausen H. *see under* Wielebinski R., **266,** 239
Walker J. Ultraviolet windows in sunglasses, **266,** 498
Walker J. E. *see under* Biesecker G., **266,** 328
Wallace P. T., Peterson B. A., Murdin P. G., Danziger I. J., Manchester R. N., Lyne A. G., Goss W. M., Smith F. G., Disney M. J., Hartley K. F., Jones D. H. P. and Wellgate G. W. Detection of optical pulses from the Vela pulsar, **266,** 692
Wallace W. *see under* Johnson C. B., **266,** 383
Walters J. R. *see under* Miller L. P., **266,** 847
Ward R. D. *see under* Lainson R., **266,** 628
Warshavsky C. R. *see under* Fischbarg J., **266,** 71
Watson P. A. *see under* Haworth D. P., **266,** 703
Watts A. C. *see under* Leventhal M., **266,** 696
Weber J. Gravitational radiation detector observations in 1973 and 1974, **266,** 243
Weber K. *see under* Hiller G., **266,** 181
Weber P. C., Larsson C. and Scherer B. Prostaglandin E_3-9-ketoreductase as a mediator of salt intake-related prostaglandin–Renin interaction, **266,** 65
Wehner J. M., Sheppard J. R. and Malkinson A. M. Density-dependent phosphorylation of a specific protein in cultured cells, **266,** 842
Weichselbaum R. R., Nove J. and Little J. B. Skin fibroblasts from a D-deletion type retinoblastoma patient are abnormally X-ray sensitive, **266,** 726
Weidner H., Yuan R. and Crothers D. M. Does 5S RNA function by a switch between two secondary structures? **266,** 193
weiler C. *see under* Schmidtke J., **266,** 532
Weiss N. O. *see under* Galloway D. J., **266,** 686
Weiss R. F. *see under* Lupton J. E., **266,** 244
Wellgate G. W. *see under* Wallace P. T., **266,** 692
Welsh K. I. Antibody production made easier, *news and views*, **266,** 495
West A. R. *see under* Grant R. J., **266,** 42
Wetherick N. E. The significance of the nose for certain phenomena of visual perception, **266,** 442
Whalley P. Lower Cretaceous Lepidoptera, **266,** 526
White P. *see under* Spillane J. A., **266,** 558
White S. W., Hulmes D. J. S., Miller A. and Timmins P. A. Collagen–mineral axial relationship in calcified turkey leg tendon by X-ray and neutron diffraction, **266,** 421
Whittington W. J. *see under* Johnson C. B., **266,** 383
Wickramasinghe N. C. *see under* Hoyle F., **266,** 241
see under Sakata A., **266,** 241
Wielebinski R., Waldthausen H., Kronberg P. P. and Haslam C. G. T. Radio counterpart of the X-ray source 3U0901 — 09, **266,** 239
Wiesel T. N. and Raviola E. Myopia and eye enlargement after neonatal lid fusion in monkeys, **266,** 66
Wigström H. *see under* Anderson P., **266,** 736
Wigzell H. *see under* Peck A. B., **266,** 840
Wikstrom M. K. F. Proton pump coupled to cytochrome *c* oxidase in mitochondria, **266,** 271
Wilkinson B. J., Ellar D. J., Scott I. R. and Koncewicz M. A. Rapid, chloramphenicol-resistant activation of membrane electron transport on germination of *Bacillus* spores, **266,** 174
Williams H. R. African Archaean mobile belts and granite-greenstone terrain, **266,** 163
Williams I. P. *see under* Donnison J. R., **266,** 475
Williams R. The advancing front of a spreading liquid, **266,** 153
Williamson R. *see under* Ottolenghi S., **266,** 231
Wilson C. M. *see under* Mishra N. K., **266,** 548
Wilson G. B. and Fudenberg H. H. Ciliary dyskinesia factors in cystic fibrosis and asthma, **266,** 463
Wilson M. *see under* Lockwood M. P., **266,** 720
Winn R. D. Jr. *see under* Dott R. H. Jr., **266,** 620
Winstein Y., Lindner H. R. and Eckstein B. Thymus metabolises progesterone — possible enzymatic marker for T lymphocytes, **266,** 632
Winterhalter K. H. *see under* Smit J. D. G., **266,** 536
Wishart G. J. and Duton G. J. Precocious development of foetal glucuronidating enzymes induced by glucocorticoids in culture and *in utero*, **266,** 183
Witz J. *see under* Jacrot B., **266,** 417
Wolosiuk R. A. and Buchanan B. B. Thioredoxin and glutathione regulate photosynthesis in chloroplasts, **266,** 565
Wonacott A. J. *see under* Biesecker G., **266,** 328
Woo R. Measuring solar wind velocity with spacecraft phase scintillations, **266,** 514
Woods D. V. *see under* Lilley F. E. M., **266,** 823
Wyllie P. J. Peridotite–CO_2–H_2O, and carbonatitic liquids in the upper asthenosphere, **266,** 45
Wyss M. Interpretation of the Southern California uplift in terms of the dilatancy hypothesis, **266,** 805
Yagi H. *see under* Kapitulnik J., **266,** 378
Yajima S., Hayashi J. and Okamura K. Pyrolysis of a polyborodiphenylsiloxane, **266,** 521
Yajima S., Shishido T. and Hamano M. SiC and Si_3N_4 sintered bodies with new borodiphenylsiloxane polymers as binder, **266,** 522
Yamaizumi M. *see under* Uchida T., **266,** 839
Yamashita N. *see under* Okamoto H., **266,** 465
Yapp C. *see under* Epstein S., **266,** 477
Yu B. P. *see under* Bertrand H. A., **266,** 62
Yuan R. *see under* Weidner H., **266,** 193
Zanjani E. D. *see under* Litwin S. D., **266,** 57
Zijderveld J. D. A. *see under* Kukla G., **266,** 774
Zinkernagel R. M., Callahan G. N., Streilein J. W. and Klein J. Neonatally tolerant mice fail to react against virus-infected tolerated cells, **266,** 837
Zuckerman A. J. *see under* Simpson D. I. H., **266,** 217
Sexual transmission of hepatitis B, *news and views*, **266,** 14
Zuzuki S. *see under* Harada H., **266,** 275
Zweidler A. *see under* Franklin S. G., **266,** 273

nature
1976 INDEX

The index to 1976 issues of NATURE is now available. The index makes reference to past issues quick and efficient by listing papers both by author and subject.
Indexes for previous years are also available. To obtain copies write to this address enclosing the correct remittance:
Dept AS5 Macmillan Journals, Brunel Road, Basingstoke, Hants, England RG21 2XS

	UK	Rest of world
Nature Index 1976	£2.50	US $5.00
Nature Index 1975	£2.25	US $5.00
Nature Index 1974	£3.00	US $6.00
Nature Index 1973	£3.00	US $6.00
Nature Index 1972	£4.00	US $8.00
Nature Index 1971	£4.00	US $8.00

(Prices include postage and packing. Payment may be made in any currency at current exchange rates. Cheques should be made payable to Macmillan Journals Ltd.)

Registered No: 785998 England. Registered Office: 4 Little Essex Street, London WC2R 3LF **14.04.77**

nature
binders

Keep your copies of Nature protected in specially-designed black PVC binders. Four of these durable binders will hold a year's copies of Nature. They have a clear pocket on the spine for insertion of your own references

Price (including postage): £2.50 each UK (US $5.00 Rest of World) or £8.00 for four (US $16.00)

Orders should be sent, accompanied by remittance, to:
Nature, Circulation Dept,
Macmillan Journals Ltd, Brunel Road,
Basingstoke, Hampshire RG21 2XS

Registered No. 785998
Registered Office: 4 Little Essex Street
London WC2R 3LF

Recent scientific and technical books

Mathematics

BIERMAN, Gerald J. Factorization Methods for Discrete Sequential Estimation (Mathematics in Science and Engineering: a Series of Monographs and Textbooks, Vol. 128.) ISBN-0-12-097350-2. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $19; £13.50.

HIGGINS, J. R. Completeness and Basis Properties of Sets of Special Functions. (Cambridge Tracts in Mathematics, Vol. 72.) Pp.x+134. ISBNO-521-21376-2. (Cambridge, London and New York: Cambridge University Press, 1977.) £9.80 net.

JEFFREYS, Sir Harold, and SWIRLES, Bertha (Lady Jeffreys) (edited by). Collected Papers of Sir Harold Jeffreys on Geophysics and Other Sciences. Vol. 6: Mathematics, Probability and Miscellaneous Other Sciences. Pp.xviii+622. ISBN-0-677-03220-X. (London, Paris and New York: Gordon and Breach Science Publishers, 1977.) £35.30.

Biological Sciences

CERES. Free for All: Weeds and Wild Plants as a Source of Food. Pp. 128 ISBN-0-07225-0349-0. (Wellingborough, Northants: Thorsons Publishers, Ltd., 1977.) Harback £3.25; Paperback £1.75.

DAVIDSON, Eric H. Gene Activity in Early Development. Second edition. Pp.xvi+452. ISBN-0-12-205160-2. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) np.

ELTON, Charles S. The Ecology of Invasions by Animals and Plants. Pp.181. ISBN-0-412-21460-1. (London: Chapman and Hall, 1977. First published, 1958) £3.25.

FRAENKEL-CONRAT, Heinz, and WAGNER, Robert R. (edited by). Comprehensive Virology. Vol. 7: Reproduction—Bacterial DNA Viruses. Pp.xii+300. ISBN-0-306-35147-1. (New York and London: Plenum Press, 1977.) $30.

JEFFREYS, John. Perennials for Cutting. Pp.224. ISBN-0-571-10916-0. (London: Faber and Faber, Ltd., 1977.) £4.95 net.

JOKLIK, Wolfgang, and WILLETT, Hilda P. (edited by). Zinsser, Microbiology. 16th edition. Pp.xvii+1223. ISBN-0-8385-9976-1. (New York: Appleton-Century-Crofts; Hemel Hempstead: Prentice-Hall International, 1976.) $41.30; £26.

KALEY, Gabor, and ALTURA, Burton M. (edited by). Microcirculation, Vol. 1. Pp.xiii+528. ISBN-0-8391-0966-0 (v. 1). (Baltimore: University Park Press; Lancaster: MTP Press, Ltd., 1977.) £28.25.

KOTYK, A., and JANACEK, K. Membrane Transport: An Interdisciplinary Approach. (Biomembranes, Vol. 9.) Pp.348. ISBN-0-306-39809-5. (New York and London: Plenum Press, 1977.) $46.20.

LINDSAY, Robert D. (edited by). Computer Analysis of Neuronal Structures. (Computers in Biology and Medicine.) Pp.xvi+219. ISBN-0-306-30964-5. (New York and London: Plenum Press, 1977.) $27.

MACLEAN, Norman. The Differentiation of Cells. (Genetics—Principles and Perspectives: a Series of Texts.) Pp.viii+216. ISBN-0-7131-2567-5. (London: Edward Arnold (Publishers), Ltd., 1977.) Boards £12; Paper £5.95.

MOSBACH, Klaus (edited by). Methods in Enzymology. Vol. 44: Immobilized Enzymes. Pp.xx+999. ISBN-0-12-181944-2. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) $48; £34.10.

NORTH, Wheeler J. Underwater California. With sections on underwater photography by Robert Hollis. (California Natural History Guides: 39.) Pp.267+8 plates. (Berkeley, Los Angeles and London: University of California Press, 1976.) Cloth £8; Paper £4.75.

PERRY, S. V., MARGRETH, A., and ADELSTEIN, R. S. (edited by). Contractile Systems in Non-Muscle Tissues. (Proceedings of the International Symposium, Bressanone, Italy, 19-22 September 1976.) Pp.xi+360. ISBN-0-7204-0616-1. (Amsterdam, Oxford and New York: North-Holland Publishing Company, 1976.) Dfl. 80; $32.75.

PRIME, C. T. Plant Life. (Collins Countryside Series.) Pp.160+24 plates. ISBN-0-00-219111-3. (London and Glasgow: Williams Collins, Sons and Co., Ltd., 1977.) £2.50.

ROMANS, Robert C. (edited by). Geobotany. Pp.viii+308. ISBN-0-306-31007-4. (New York and London: Plenum Press, 1977.) $35.40.

TWEEDIE, Michael. Insect Life. (Collins Countryside Series.) Pp.192+24 plates. ISBN-0-00-219343-4. (London and Glasgow: William Collins, Sons and Co., Ltd., 1977.) £2.50.

Applied Biological Sciences

ALABASTER, John S. (edited by). Biological Monitoring of Inland Fisheries. (Proceedings of a Symposium of the European Inland Fisheries Advisory Commission, Helsinki, Finland, 7-8 June 1976.) Pp.xvi+226. ISBN-0-85334-719-0. (London: Applied Science Publishers, Ltd., 1977. Published by arrangement with the Food and Agriculture Organization of the United Nations.) £15.

ALLEN, Jr., Marshall, B., and MAHESH, Virendra B. (edited by). The Pituitary: a Current Review. (Proceedings of a Symposium held at the Medical College of Georgia, Augusta, Georgia, May 20-22, 1976.) Pp.xv+545. ISBN-0-12-051850-3. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $25; £17.75.

ARNDT, Thomas M., DALRYMPLE, Dana G., and RUTTAN, Vernon W. (edited by). Resource Allocation and Productivity in National and International Agricultural Research. Pp.xxviii+617. ISBN-0-8166-0805-9. (Minneapolis: University of Minnesota Press, 1977.) $25.

BARKER, William H. (edited by). Preventive and Community Medicine in Primary Care. (A Conference Sponsored by The John E. Fogarty International Center for Advanced Study in the Health Sciences, and the Association of the Teachers of Preventive Medicine.) Pp.xxii+125. (Bethesda, Md.: US Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, 1976. For sale by US Government Printing Office, Washington, DC.) $4.90.

BERCI, George (edited by). Endoscopy. Pp.xxi+805. ISBN-0-8385-2216-5. (New York: Appleton-Century-Crofts; Hemel Hempstead: Prentice-Hall International, 1976.) $99.70; £62.80.

BLUME, Kenneth (edited by). In Association with BARD, Diana L., and HEMILTON, Murray G. Alcohol and Opiates: Neurochemical and Behaviora Mechanisms. (Proceedings of a Symposium held in New York, March 26-, 1976.) Pp'xix+403. ISBN-0-12-108450-7. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $17.50; £12.40.

BULLA, Jr., Lee A., and CHENG, Thomas, C. (edited by). Comparative Pathobiology. Vol. 1: Biology of the Microsporidia. Pp.xvi+371. ISBN-0-306-38121-4. (New York and London: Plenum Press, 1976.) $45.

BYRDE, R. J. W., and WILLETTS, H. J. The Brown Rot Fungi of Fruit: Their Biology and Control. Pp.xv+171. ISBN-0-08-019740. (Oxford and New York: Pergamon Press, 1977.) $12.

CAEN, Jacques P., CRONBERG, Stig, and KUBISZ, Peter. Platelets: Physiology and Pathology. Pp.vii+136. ISBN-0-913258-46.6. (New York: Stratton Intercontinental Medical Book Corporation, 1977.) $17.50.

CHARLEY, Vernon L. S. Black Currant Juice Processing Technology. (Fruit Juices and other Fruit Products: a Series of Monographs.) Pp.132. (Braunschweig: Verlag Günter Hempel, 1977.) DM36.

DAVISON, A. N. (edited by). Biochemical Correlates of Brain Structure and Function. Pp.xiii+345. ISBN-0-12-206650-2. (London and New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) £14; $27.35.

EVANS, A. S. Viral Infection in Humans. ISBN-0-481-99435-9. (Chichester: John Wiley and Sons Ltd., 1977. Market Restriction: UK, Europe, Middle East, Africa). £23; $44.

FEACHEM, Richard, McGARRY, Michael, and MARA, Duncan. (edited by). Water, Wastes and Health in Hot Climates. Pp.xvi+309. ISBN-0-471-99410-3. (London and New York: Wiley-Interscience, John Wiley and Sons, 1977.) £13.40; $22.

GAMAN, P. M., and SHERRINGTON, K. B. The Science of Food: an Introduction to Food Science, Nutrition and Microbiology. (Pergamon International Library of Science, Technology, Engineering and Social Studies.) Pp.xi+300. ISBN-0-08-019947-X. (Oxford and New York: Pergamon Press, 1977.) $8.95.

GROTE, Jürgen, RENEAU, Daniel, and THEWS, Gerhard (edited by). Oxygen Transport to Tissue-II. (Advances in Experimental Medicine and Biology, Vol. 75.) Pp.xxiii+781. ISBN-0-306-39075-2. (New York and London: Plenum Press 1976.) $98.40.

HARNAD, Stevan, DOTY, Robert W., JAYNES, Julian, GOLDSTEIN, L., and KRAUTHAMER, George (edited by). Lateralization in the Nervous System. Pp.xlviii+537. ISBN-0-12-325750-6. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $21.50; £15.25.

IOACHIM, Harry L. (edited by). Pathobiology Annual, Vol. 6. Pp.x+419. ISBN-0-8385-7737-7. (New York: Appleton-Century-Crofts; Hemel Hempstead: Prentice-Hall International, 1976.) $36.20; £22.80.

IVERSEN, E. S. Farming the Edge of the Sea. Pp.436. ISBN-0-85238-079-8. (Farnham, Surrey: Fishing News Books, Ltd., 1976.) £13.50.

KALLOS, Paul, WAKSMAN, Byron H., and de WECK, A. L. (edited by). Progress in Allergy, Vol. 22. Pp.xii+220. ISBN-3-8055-2419-6. (Basel, London and New York: S. Karger, 1977.) SFr./DM 95; $36.75.

KLEIN, George, and WEINHOUSE, Sidney (edited by). Advances in Cancer Research, Vol. 24. Pp.xii+350. ISBN-0-12-006624-6. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $29.50; £20.95.

LEE, Jr., Robert E. (edited by). Air Pollution from Pesticides and Agricultural Processes. Pp.263. ISBN-0-8493-5157-X. (Cleveland, Ohio: CRC Press, Inc.; Oxford: Blackwell Scientific Publications, 1976.) £46.

LOEHR, Raymond C. Pollution Control for Agricylture. Pp.xiii+383. ISBN-0-12-455260-9. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $17; £12.05.

LUCKEY, T. D., and VENUGOPAL, B. Metal Toxicity in Mammals. Vol. 1: Physiologic and Chemical Basis for Metal Toxicity. Pp.x+238. ISBN-0-306-37176-2 (v. 1). (New York and London: Plenum Press, 1977.) $33.

MACKIE, G. O. (edited by). Coelenterate Ecology and Behavior. Pp.xiii+744. ISBN-0-306-30991-2. (New York and London: Plenum Press, 1976.) $59.40.

MARCHESI, Vincent T. (edited by). Membranes and Neoplasia: New Approaches and Strategies. (The Record of the Workshop Meeting held at Keystone, Colorado, March 4, 5 and 6, 1976, under the sponsorship of the National Cancer Institute.) (Progress in Clinical and Biological Research, Vol. 9.) Pp.xii+292. ISBN-0-8451-0009-2. (New York: Alan R. Liss, Inc., 1976.) $35.

MARSDEN, H. B., and STEWARD, J. K. (edited by). Tumours in Children. Second, revised and enlarged edition. (Recent Results in Cancer Research, Vol. 13.) Pp.xvi+500. ISBN-3-540-07632-8. (Berlin and New York: Springer-Verlag, 1976.) DM 92; $37.80.

MATHE, G., FLORENTIN, J., and SIMMLER, M. C. (edited by). Lymphocytes, Macrophages, and Cancer. (Recent Results in Cancer Research, Vol. 56.) Pp.ix+160. ISBN-3-540-07902-5. (Berlin and New York: Springer-Verlag, 1976.) DM 56; $23.

MENDELSON, Wallace B., GILLIN, J. Christian, and WYATT, Richard Jed. Human Sleep and Its Disorders. Pp.xiv+260. ISBN-0-306-30966-1. (New York and London: Plenum Press, 1977.) $23.40.

MORSON, B. C. In collaboration with SOBIN, L. H. Histological Typing of Intestinal Tumours. (International Histological Classification of Tumours, No. 15.) Pp.69+134 figures. ISBN-92-4-176015-X. (Geneva: WHO; London: HMSO, 1976.) Book and set of 134 colour transparencies, Sw.fr. 215; $86. Book only Sw.fr.80; $32.

PARKE, D. V., and SMITH, R. L. (edited by). Drug Metabolism—from Microbe to Man. (A Symposium in honour of Richard Tecwyn Williams.) Pp.xii+460. ISBN-0-85066-105-6. (London: Taylor and Francis, Ltd., 1977.) £25.

RAJKA, E., and KOROSSY, S. (edited by). Immunological Aspects of Allergy and Allergic Diseases. Vol. 7: Allergic Diseases of the Skin. Pp.vii+408. ISBN-0-306-37757-8. (New York and London: Plenum Press; Budapest: Akademiai Kiado, 1976.) $42.

RAJKA, E., and KOROSSY, S. (edited by). Immunological Aspects of Allergy and Allergic Diseases. Vol. 8: Allergic Responses to Infectious Agents. Pp.viii+364. ISBN-0-306-37758-6. (New York and London: Plenum Press; Budapest: Akademiai Kiado, 1976.) $42.

RILEY, V. (edited by). Unique Properties of Melanocytes. (Proceedings of the 9th International Pigment Cell Conference, Houston, Texas, January 13-17, 1975, Part 2.) (Pigment Cell, Vol. 3.) Pp. xvi+430. ISBN-3-8055-2371-8. (Basel, London and New York: S. Karger, 1976.) np.

RODALE, Robert (editor). The Organic Way to Mulching. By the Editors of Organic Gardening and Farming. Pp.x+192. ISBN-0-87857-009-8. (Emmaus, Pennsylvania and Berkhamsted, Herts.: Rodale Press, Inc., 1976.) £4.50.

NEW, Maria I., and FISER, Jr., Robert H. (edited by). Diabetes and Other Endocrine disorders During Pregnancy and in the Newborn. (Proceedings of a Symposium held in New York City, April 1976.) (Progress in Clinical and Biological Research, Vol. 10.) Pp.ix+262. ISBN-0-8451-0010-6. (New York: Alan R. Liss, Inc., 1976.) $26.

SALTON, Milton R. J. (edited by). Immunochemistry of Enzymes and Their Antibodies. (Developments in Medical Microbiology and Infectious Diseases.) Pp.ix+230. ISBN-0-471-74995-8. (New York and London: John Wiley and Sons, 1977.) $24.15; £14.25.

SCHERER, E. (herausgegeben von). Strahlentherapie: Radiologische Onkologie. Unter mitarbeit von G. Barth, *et al.* Pp.xxiv+800. ISBN-3-540-07772-3. (Berlin und New York: Springer-Verlag, 1976.) DM 160; $65.60.

SKINNER, F. A., and HUGO, W. B. (edited by). Inhibition and Inactivation of Vegetative Microbes. (The Society for Applied Bacteriology Symposium Series, No. 5.) Pp.xiii+378. ISBN-0-12-648065-6. (London and New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) £12; $26.25.

SYMPOSIUM INTERNATIONAL sur le Rhum et Alcools Derivés de la Canne a Sucre, Antilles, Francaises, 5 au 11 Mai 1975. (*Annales de Technologie Agricole*, Voo. 24, No. 3-4, 1975.) Pp. 239-501. (Versailles: Institut National de la Recherche Agronomique, 1975.) np.

THOMPSON, R. A. (edited by). Techniques in Clinical Immunology. Pp.ix+241. ISBN-0-632-00076-7. (Oxford and London: Blackwell Scientific Publications, 1977.) £6.25

T[illegible]OR, Vasile, and STRATI, Joan. Smallpox: cholera. Pp.313. ISBN-0-85626-092-4. (Tunbridge Wells, Kent: Abacus Press, 1977.) £13.95.

WATERHOUSE, John, MUIR, Calum, CORRERA, Pelayo, and POWELL, Jean. (edited by). Cancer Incidence in Five Continents. Vol. 3: 1976. (IARC Scientific Publications, No. 15.) Pp.xxi+584. ISBN-92-832-1115-4. (Lyon: International Agency for Research on Cancer, 1976. Distributed by the World Health Organization.) Sw.fr. 100; US$40.

WHITE, Denis, and BROWN, Ross E. (edited by). Ultrasound in Medicine. Vol. 3A: Clinical Aspects. Pp.liii+1169. ISBN-0-306-34203-0. (New York and London: Plenum Press, 1977.) $54.

WHY ADDITIVES?—The Safety of Foods. Devised and edited by The British Nutrition Foundation. Pp.xvi+75. ISBN-0-901762-09-1. (London: Forbes Publications, 1977.) £1.50.

WOLSKY, Maria de Issekutz, and WOLSKY, Alexander. The Mechanism of Evolution: a New Look at Old Ideas. (Contributions to Human Development, Vol. 4.) Pp.vii+160. ISBN-3-8055-2347-5. (Basel, London and New York: S. Karger, 1976.) Sw.fr./DM 44; $17.

WRIGHT, V., and MOLL, J. M. H. Seronegative Polyarthritis. Pp.xix+488. ISBN-0-7204-0591-2. (Amsterdam, New York and Oxford: North-Holland Publishing Company, 1976.) Dfl. 160; $65.50.

YEPSEN, Roger B. (edited by). Organic Plant Protection: a Comprehensive Reference on Controlling Insects and Diseases in the Garden, Orchard and Yard without Using Chemicals. Pp.viii+688. ISBN-0-87857-110-8. (Emmaus, Pennsylvania: Rodale Press; Berkhamsted, Herts.: Rodale Press, 1976.) £7.95.

Psychology

ALLOWAY, Thomas, PLINER, Patricia, and KRAMES, Lester (edited by). Attachment Behavior. (Advances in the Study of Communication and Affect, Vol. 3.) Pp.x+229. ISBN-0-306-35903-0. (New York and London: Plenum Press, 1977.) $27.

BAYES, Ramón. Iniciacion a la Farmacologia del Comportamiento. Pp.303. ISBN-84-244-0411-4. (Barcelona: Editorial Fontanella, S.A., 1977.) np.

BERGSMA, Daniel, and PULVER, Ann E. (edited by). Developmental Disabilities: Psychologic and Social Implications. (The National Foundation—March of Dimes. Birth Defects, Original Article Series, Vol. XII, No. 4, 1976.) Pp.xvi+188. ISBN-0-8451-1007-1. (New York: Alan R. Liss, Inc., 1976.) $18.

BEVER, Thomas G., KATZ, Jerrold J., and LANGENDOEN, D. Terence. An Integrated Theory of Linguistic Ability. (The Language and Thought Series.) Pp.viii+432. ISBN-0-85527-899-4. (Hassocks, Sussex: The Harvester Press, Ltd., 1977.) £14.95.

BORG, Gunnar (edited by). Physical Work and Effort. (Proceedings of the First International Symposium held at The Wenner-Gren Center, Stockholm, December 2-4, 1975.) Pp.xiii+439. ISBN-0-08-021373-1. (Oxford and New York: Pergamon Press, 1977.) np.

COHEN, Jacob. Statistical Power Analysis for the Behavioral Sciences. Revised edition. Pp.xv+474. ISBN-0-12-179060-6. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $24.50; £17.40.

COLEMAN, John C. (edited by). Introductory Psychology: a Text Book for Heslth Students. Pp.x+350. ISBN-0-7100-8442-0. (London, Henley and Boston, Mass.: Routledge and Kegan Paul, 1977.) Cloth £6.95; Paper £3.50.

HAMILTON, Vernon, and VERNON, Magdalen D. (edited by). Development of Cognitive Processes. Pp.772. ISBN-0-12-321750-4. (London and New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) £21; $46.

McGURK, Harry (edited by). Ecological Factors in Human Development. Pp.xii+295. ISBN-0-7204-0488-6. (Amsterdam, New York and Oxford: North-Holland Publishing Company, 1977.) Dfl. 37.50; $14.75.

MOSCOVICI, Serge. Social Influence and Social Change. Translated by Carol Sherrard and Greta Heinz. (European Monographs in Social Psychology, No. 10.) Pp.ix+239. ISBN-0-12-508450-1. (London and New York: Academic Press, 1976. Published in co-operation with European Association of Experimental Social Psychology.) £7; $15.25.

OVERTON, Willis F., and GALLAGHER, Jeanette McCarthy (edited by). Knowledge and Development. Vol. 1: Advances in Research and Theory. Pp.xviii+258. ISBN-0-306-33201-9 (v.1). (New York and London: Plenum Press, 1977.) $22.74.

PLOMP, Reiner. Aspects of Tone Sensation: a Psychophysical Study. (Academic Press Series in Cognition and Perception.) Pp.ix+167. ISBN-0-12-558350-8. (London and New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) £6.50; $14.25.

RIEBER, R. W. (edited by). The Neuropsychology of Language. (Essays in Honor of Eric Lennеberg.) Pp.x+230. ISBN-0-306-30972-6. (New York and London: Plenum Press, 1976.) $23.40.

SANDELL, Rolf. Linguistic Style and Persuasion. (European Monographs in Social Psychology, No. 11). Pp.xiv+329. ISBN-0-12-618150-0. (New York and London: Acacemic Press, 1977. Published in co-operation with European Association of Experimental Social Psychology.) £10.50; $23.

SERBAN, George (edited by). Psychopathology of Human Adaptation. (Kittay Scientific Foundation Symposia.) Pp.xvii+382. ISBN-0-306-30917-3. (New York and London: Plenum Press, 1976.) $30.40.

SMITH, Judith M., SMITH, Donald E. P., and BRINK, James R. A Technology of Reading and Writing. Vol. 2: Criterian-Referenced Tests for Reading and Writing. (Educational Psychology.) Pp.xii+279. ISBN-0-12-651702-9. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $12.50; £8.85.

STOKOLS, Daniel (edited by). Perspectives on Environment and Behavior: Theory, Research, and Applications. Pp.xiv+360. ISBN-0-306-30954-8. (New York and London: Plenum Press, 1977.) $22.74.

Sociology

CURTIS, Richard F., and JACKSON, Elton F. Inequality in American Communities. (Quantitative Studies in Social Relations.) Pp. xii+354. ISBN-0-12-200250-4. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $19.50; £13.85.

CUTRIGHT, Phillips, and JAFFE, Frederick S. Impact of Family Planning Programs on Fertility: The U.S. Experience. (Praeger Special Studies in U.S. Economic, Social, and Political Issues.) Pp.xvii+150. ISBN-0-275-23350-2. (New York, Washington, and London: Praeger Publishers, 1977.) np.

HANUSHEK, Eric A., and JACKSON, John E. Statistical Methods for Social Scientists. (Quantitative Studies on Social Relations.) Pp.xiii+374. ISBN-0-12-324350-4. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $1[illegible] £13.50.

REES, P. H., and WILSON, A. G. Spatial Population Analysis. Pp.x+356. ISBN-0-7131-5848-4. (London: Edward Arnold (Publishers), Ltd.; New York: Academic Press, Inc., 1977.) $35.50; £27.50.

SEBEOK, Thomas A. (edited by). Native Languages of the Americas, Vol. 1. Pp.xvi+630. ISBN-0-306-37157-X(v.1). (New York and London: Plenum Press, 1976.) $49.

History of Science

KAUFFMAN, George B. (translated, edited, and with commentary by). Classics in Coordination Chemistry. Part 2: Selected Papers (1798-1899). (Classics in Science, Vol. 12.) Pp.xii+174. ISBN-0-486-63343-8. (New York: Dover Publications, Inc.; London: Constable and Co., Ltd., 1976.) $4.50.

KNIGHT, David. The Nature of Science: The History of Science in Western Culture Since 1600. Pp.215. ISBN-0-233-96814-8. (London: André Deutsch, 1976.) £4.95 net.

PACEY, Arnold. The Maze of Ingenuity: Ideas and Idealism in the Development of Technology, Pp.350. ISBN-0-262-66030-X. (Cambridge, Mass. and London: The MIT Press, 1976.) £4.50.

RUDWICK, Martin J. S. The Meaning of Fossils: Episodes in the History of Palaeontology. Second edition. (History of Science Library.) Pp.287. ISBN-0-88202-163-X. (New York: Science History Publications, U.S.A., a Division of Neale Watson Academic Publications, Inc., 1976.) Cloth $15; Paper $6.95.

STEFFENS, Henry John. The Development of Newtonian Optics in England. Pp.viii+190. ISBN-0-88202-048-X. (New York: Science History Publications/U.S.A., 1977.) $12.

UNDERWOOD, E. Ashworth. Boerhaave's Men at Leyden and After. Pp.vii+227.+ 16 plates. ISBN-0-85224-304-9. (Edinburgh: Edinburgh University Press, 1977.) np.

Archaeology

EARLE, Timothy K., and ERICSON, Jonathon E. (edited by). Exchange Systems in Prehistory. (Studies in Archaeology.) Pp.xiii+274. ISBN-0-12-227650-7. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $20; £14.20.

Education

BATAILLE, Leon (edited by). A Turning Point for Literacy: Adult Education for Development, The Spirit and Declaration of Persepolis. (Pergamon International Library of Science, Technology Engineering and Social Studies.) Pp.279. ISBN-0-08-021386-3. (Oxford and New York: Pergamon Press, 1976.) $12.

KLAUSMEIER, Herbert J., ROSSMILLER, Richard A., and SAILY, Mary (edited by). Individually Guided Elementary Education: Concepts and Practices. Pp.xviii+376. ISBN-0-12-411340-0. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $14.95; £10.65.

General

ARCHARD, Pierre, CHAUVENET, Antoinette, LAGE, Elisabeth, LENTIN, Francoise, NEVE, Patricia and VIGNAUX, Georges. Discours Biologique et Ordre Social. Pp.284. ISBN-2-02-004587-7. (Paris: Editions du Seuil, 1977.) np.

BANKS, Ferdinand E. The Economics of Natural Resources. Pp.xiii+267. ISBN-0-306-30926-2. (New York and London: Plenum Press, 1976.) $23.40.

BERGLUND, Björn. Noah's Ark is Stranded. Translated from the Swedish by Sheila La Farge. Pp.xii+205. ISBN-0-354-04051-0. (London: Macdonald and Jane's, 1976.) £6.95.

BIROU, Alain, and HENRY, Paul-Marc. Towards a Re-definition of Development: Essays and Discussion on the Nature of Development in an International Perspective. Edited by John P. Schlegel. Pp.xi+353. ISBN-0-08-020580-1. (Oxford and New York: Pergamon Press, 1977. Published for the Development Centre of the Organization for Economic Co-operation and Development, Paris.) £5.50; $11.

CALLAHAN, Philip S. Tuning in to Nature: Solar Energy, Infrared Radiation, and the Insect Communication System. Pp.xxviii+240. ISBN-0-8159-6309-2. (Old Greenwich, Conn.: The Devin-Adair Company, 1975.) $10.

CAMILLERI, Joseph A. Civilization in Chrisis: Human Prospects in a Changing World. Pp.viii+303. ISBN-0-521-21248-0. (Cambridge, London and New York: Cambridge University Press, 1976.) Hardcover £7.50; Paperback £2.50.

CLARKE, M.R.B. (edited by). Advances in Computer Chess, 1. Pp.v+118. ISBN-0-85224-292-1. (Edinburgh: Edinburgh University Press, 1977.) £3.50 net.

DARBY, William J., GHALIOUNGUI, Paul, and GRIVETTI, Louis. Food: The Gift of Osiris. Vol. 1: Pp. xxxiii+1-452+xlii. ISBN-0-12-203401-5. £12.50. Vol. 2: Pp. xxxiii+453-877+xlii. ISBN-0-12-203402-3. £12.50; (London and New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.)

DEADMAN, Peter, and BETTERIDGE, Kaien. Nature's Foods. Pp.126. ISBN-0-09-128741-3. (London: Rider and Company, 1977). £2.95.

DROSCHER, V. B. They Love and Kill: Sex, Sympathy and Aggression in Courtship and Mating. Translated from the German by Jan vanHeurchk. Pp.xix+363 (43 photographs.) ISBN-0-491-01648-4. (London: W. H. Allen, a Howard and Wyndham Company, 1977.) £6.50.

GLICKMAN, Norman J. Econometric Analysis of Regional Systems: Explorations in Model Building and Policy Analysis. (Studies in Urban Economics.) Pp.xi+210. ISBN-0-12-286550-2. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $18.50; £13.15.

GOSLING, David, and MONTEFIORE, Hugh (edited by). Nuclear Crisus: a Question of Breeding. Pp.ix+165. ISBN-0-904727-58-0. (Chalmington, Dorchester: Prism Press, 1977.) Hardback £6; Paperback £2.50.

GRANGER, C. W. J., and NEWBOLD, Paul. Forecasting Economic Time Series. (Economic Theory and Mathematical Economics.) Pp.xii+333. ISBN-0-12-295150-6. (New York and London: Academic Press, a Subsidiary of Harcourt Brace, Jovanovich, Publishers, 1977.) $22; £15.60.

KINGSTON, William. Innovation: The Creative Impulse in Human Progress—Industry/Art/Science. Pp. 160. (A Platform Book.) ISBN-0-7145-3540-0. (London: John Calder (Publishers), Ltd., 1977.) £5.95.

LANE, Harlan. The Wild Boy of Aveyron. Pp.351. ISBN-0-04-155007-2. (London: George Allen and Unwin, Ltd., 1977.) £6.95 net.

LEITMANN, George (edited by). Multicriteria Decision Making and Differential Games. (Mathematical Concepts and Methods in Science and Engineering.) Pp. xiii+461. ISBN-0-306-30920-3. (New York and London: Plenum Press, 1976.) $59.40.

LUARD, Evan. International Agencies: The Emerging Framework of Interdependence. Pp.xii+338. ISBN-0-333-21128-6. (London and Basingstoke: The Macmillan Press, Ltd., 1977. Published for The Royal Institute of International Affairs.) £14 net.

METZGER, Norman. Energy: The Continuing Crisis. Pp.x+242. ISBN-0-690-01161-X. (New York: Thomas Y. Crowell Company, 1977.) $12.95.

PACEY, Arnold. The Maze of Ingenuity: Ideas and Idealism in the Development of Technology. Pp.350. ISBN-0-262-66030-X. (Cambridge, Mass. and London: The MIT Press, 1976.) $6.95.

PAYNE, John R. W. H. Hudson: a Bibliography. Pp.xv+248. ISBN-0-7129-0750-5. (Folkestone: Wm. Dawson and Sons, Ltd.; Hamden, Conn.: Archon Books, 1977.) £10.

POST, Robert C. Physics, Patents and Politics: a Biography of Charles Grafton Page. Pp.227. ISBN-0-88202-046-3. (New York: Science History Publications, a Division of Neale Watson Academic Publications, Inc., 1976.) $15.95.

PROCEEDINGS OF THE ROYAL INSTITUTION OF GREAT BRITAIN, Vol. 49, 1976. Pp.vi+337. ISBN-0-85334-717-2. (London: Applied Science Publishers, Ltd., 1977.) £12.

ROZDZIENSKI, Walenty. Officina Ferraria. (A Polish poem of 1612 describing the noble craft of Ironwork.) Translated by Stefan Pluszczewski. Edited by W. Rozanski and Cyrol Stanley Smith. Pp.xvi+123. ISBN-0-262-18079-0. (Cambridge, Mass. and London: The MIT Press, 1976. Published jointly with the Society for the History of Technology.) $12.50.

RUSSELL, Peter. The TM Technique: An Introduction to Transcendental Meditation and the Teachings of Maharishi Mahesh Yogi. Pp.195. ISBN-0-7100-8539-7. (London, Henley and Boston, Mass.: Routledge and Kegan Paul, 1976.) £1.75.

SHONE, R. Microeconomics: a Modern Treatment. (Economic Theory and Mathematical Economics.) Pp.xvi+330. ISBN-0-12-641350-9. (New York: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1976.) $20.

STEINBUCH, Karl. Kommunikationstechnik. (Communication and Cybernetics, Vol.16.) Pp.xi+273. ISBN-3-540-07972-6. (Berlin and New York: Springer-Verlag, 1977.) DM 58; $25.60.

STRINGER, Peter, and WENZEL, H. (edited by). Transportation Planning for a Botter Environment. (NATO Conference Series. 2: Systems Science, Vol. 1). Pp.xiv+439. ISBN-0-306-32841-0. (New York and London: Plenum Press, 1976 Published in Co-ordination with NATO Scientific Affairs Division.) $45.

VOIGT, Melvin J., and HARRIS, Michael H. (edited by). Advances in Librarianship., Vol. 7. Pp.xv+348. ISBN-0-12-785007-4. (New York and London: Academic Press, a Subsidiary of Harcourt Brace Jovanovich, Publishers, 1977.) $22.50; £15.95.

WECHT, Cyril H. (series editor). Legal Medicine Annual, 1975. Pp.xi+368. ISBN-0-8385-5653-1. (New York: Appleton-Century-Crofts; Hemel Hempstead: Prentice-Hall International, 1976.) £21.40; $33.65.

WINNER, Langdon. Autonomous Technology: Technics-out-of-Control, as a Theme in Political Thought. Pp.386. ISBN-0-262-23078-X. (Cambridge, Mass. and London: The MIT Press 1977.) $17.50.

nature

Author Index for Volume 267

May–June 1977
Numbers 5606–5614
Pages 1–870

Abadi H. and Wickramasinghe N. C. Pre-biotic molecules in Martian dust clouds, **267,** 687
Adler D. A., West J. D. and Chapman V. M. Expression of alpha-galactosidase in preimplantation mouse embryos, **267,** 838
Alexander G. E. *see under* Goldman P. S., **267,** 613
Allen J. C., Smith C. J., Curry M. C. and Gaugas J. M. Identification of a thymic inhibitor ('chalone') of lymphocyte transformation as a spermine complex, **267,** 623
Alnaes E. *see under* Shimoni Y., **267,** 170
Amako K. and Yasunaka K. Ether induced morphological alteration of Pf-1 filamentous phage, **267,** 862
Amoss M. S. *see under* Byrd W. J., **267,** 621
Anderson R. J. *see under* Roelofs W. L., **267,** 698
Andersson S. and O'Keefe M. Body-centred cubic cylinder packing and the garnet structure, **267,** 605
Anwyl R., Appel S. M. and Narahashi T. Myasthenia gravis serum reduces acetylcholine sensitivity in cultured rat myotubes, **267,** 262
Appel S. M. *see under* Anwyl R., **267,** 262
Applebury M. L. *see under* Sundstrom V., **267,** 645
Appleton H. Virus particles in marmoset hepatitis, *matters arising*, **267,** 729
Armstrong J. A. *see under* Mayo D. R., **267,** 721
Arnold F., Krankowsky D. and Marien K. H. First mass spectrometric measurements of positive ions in the stratosphere, **267,** 30
Aronson J. L., Schmidt T. J., Walter R. C., Taieb M., Tiercelin J. J., Johanson D. C., Naeser C. W. and Nairn A. E. M. New Geochronologic and palaeomagnetic data for the hominid-bearing Hadar Formation of Ethiopia, **267,** 323
Arrington T. *see under* Tokuda S., **267,** 433
Asato N. *see under* Varga J. N., **267,** 56
Askonas B. J. *see under* Zweerink H. J., **267,** 354
Atkinson S. J. Ductile shear zones and basal aureoles in ophiolite complexes — Reply, *matters arising*, **267,** 468
Augustin A. A. *see under* Julius M. H., **267,** 437
Autenrieth D. *see under* Van Lier J. E., **267,** 522
Axford W. I. *see under* Nielsen E., **267,** 502
Axon H. J., Couper W. R. D. and Kinder J. New shock effects in the phosphide and carbide phases of Cañon Diablo iron meteorites, **267,** 414
Azam F. and Hodson R. E. Dissolved ATP in the sea and its utilisation by marine bacteria, **267,** 696
Bacastow R. Southern oscillation index and atmospheric carbon dioxide — Reply, *matters arising*, **267,** 650
Baehner R. L. *see under* Williams D. A., **267,** 255
Baer A. J. The Grenville Province as a shear zone, **267,** 337
Baggaley W. J. Sodium emission in persistent meteor trains, *matters arising*, **267,** 376
Baggs R. *see under* de Noronha F., **267,** 54
Bainbridge A. E. *see under* Weiss R. F., **267,** 600
Baird G. A. *see under* Jelley J. V., **267,** 499
Barcinski M. A. *see under* Rosenthal A. S., **267,** 156
Barker J. L. *see under* Macdonald R. L., **267,** 720
Barrett T. Sorting out the flu genes, *news and views*, **267,** 580
Barrow J. D. A chaotic cosmology, **267,** 117
Bartlett P. D., Craig P. J. and Morton S. F. Behaviour of mercury species in isolated estuarine sediment samples — growth and decay of methyl mercury during storage, **267,** 606
Barton J. M., Fripp R. E. P. and Ryan B. Rb/Sr ages and geological setting of ancient dykes in the Sand River area, Limpopo Mobile Belt, South Africa, **267,** 487
Battisto J. R. *see under* Finke J. H., **267,** 353
Baughman G. L. *see under* Zepp R. G., **267,** 421
Baulieu E.-E. *see under* Sutherland R., **267,** 434
Baxter M. S. *see under* Stenhouse M. J., **267,** 825
see under Stenhouse M. J., **267,** 828
Beam K. G., Nestler E. J. and Greengard P. Increased cyclic GMP levels associated with contraction in muscle fibres of the giant barnacle, **267,** 534
Becker R. H. *see under* Lewin W. H. G., **267,** 28
Beckinsale R. P. *book review of* Geomorphology and Time (Thornes J. B. and Brunsden D.) **267,** 652
Beddard G. S., Davidson R. S. and Trethewey K. R. Quenching of chlorophyll fluorescence by beta-carotene, **267,** 373
Bedford C. T., Blair D. and Stevenson D. E. Toxic fluorinated compounds as by-products of certain BF3-catalysed industrial processes, **267,** 335
Begon-Lours J. *see under* Tovey M. G., **267,** 455
Belardelli F. *see under* Rossi G. B., **267,** 50
Bell G. I. *see under* Valenzuela P., **267,** 641
Bell L. E. *see under* Rose K. M., **267,** 178
Benedetto A. *see under* Rossi G. B., **267,** 50
Bennett J. P. *see under* Enna S. J., **267,** 184
Berger A. R. and Jamieson R. A. Ductile shear zones and basal aureoles in ophiolite complexes, *matters arising*, **267,** 468
Berger R. *see under* Hammond N., **267,** 608
Berglund B. *see under* Tompson R., **267,** 181
Beringer J. E. *see under* Johnston A. W. B., **267,** 611
Bernoulli D. *see under* Hsü K. J., **267,** 399
Berry M. V. and Nye J. F. Fine structure in caustic junctions, **267,** 34
Best L. C., Martin T. J., Russell R. G. G. and Preston F. E. Prostacyclin increases cyclic AMP levels and adenylate cyclase activity in platelets, **267,** 850
Bevan S., Kullberg R. W. and Heinemann S. F. Human myasthenic sera reduce acetylcholine sensitivity of human muscle cells in tissue culture, **267,** 263
Bhattacharyya J. C. and Kuppuswamy K. A new satellite of Uranus, **267,** 331
Biales B., Dichter M. A. and Tischler A. Sodium and calcium action potential in pituitary cells, **267,** 172
Bieron K. *see under* Gryglewski R. J., **267,** 627
Birch P. V. *see under* Millis R. L., **267,** 330
Bishop P. M. *see under* Williams M. A. J., **267,** 690
Black R. L. B. and Tinker P. B. Interaction between effects of vesicular–arbuscular mycorrhiza and fertiliser phosphorus on yields of potatoes in the field, **267,** 510
Blair D. *see under* Bedford C. T., **267,** 335
Blake C. C. F. The nucleotide-binding fold revisited, *news and views*, **267,** 482
Blake J. T. *see under* Rosenthal A. S., **267,** 156
Blakeborough L. *see under* Middlemiss D. N., **267,** 289
Blandford R. D., McFee C. F. and Rees M. J. Super-luminal expansion in extragalactic radio sources, *review article*, **267,** 211
Blessing W. W., Costa M., Geffen L. B., Rush R. A. and Fink G. Immune lesions of noradrenergic neurones in rat central nervous system produced by antibodies to dopamine-beta-hydroxylase, **267,** 368
Bleux C., Ventura M. and Liacopoulos P. IgM–IgG switch-over among antibody forming cells in the mouse, **267,** 709
Boass A., Toverud S. U., McCain T. A., Pike J. W. and Haussler M. R. Elevated serum levels of 1alpha, 25-dihydroxycholecalciferol in lactating rats, **267,** 630
Bolger P. M., Eisner G. M., Shea P. T., Ramwell P. W. and Slotkoff L. M. Effects of PGD2 on canine renal function, **267,** 628
Bolkhovitinov L. G. *see under* Livshits L. D., **267,** 420
Bolognesi D. P. *see under* de Noronha F., **267,** 54
Bookman M. A. Sensitivity of the homing pigeon to an Earth-strength mgnetic field, **267,** 340
Boorstein R. *see under* Leffert H. L., **267,** 58
Borel Y. *see under* Stollar B. D., **267,** 158
Boxer L. A. *see under* Williams D. A., **267,** 255
Bradbury M. W. Lack of correlation between tight junction morphology and permeability properties in developing choroid plexus, *matters arising*, **267,** 182
Bray D. The protein explosion, *news and views*, **267,** 481
Brimacombe R. Neutron scattering and ribosomes, *news and views*, **267,** 667
Britten R. A. *see under* Rajan R. S., **267,** 133
Britton S. *see under* Rosén A., **267,** 52
Brown A. M. *see under* Kunze D. L., **267,** 75
Brown J. E. *see under* Craig I. J. D., **267,** 411
Brownlee D. E. *see under* Rajan R. S., **267,** 133
Brunda M. J. *see under* Sharma B., **267,** 845
Brunsden D. *see under* Thornes J. B., **267,** 652
Bryant M. L. *see under* Elder J. H., **267,** 23
Bryant-Greenwood G. *see under* Kwok S., **267,** 544
Büchell D. E. *see under* Schreier P. H., **267,** 555
Bunge R. *see under* Ross D., **267,** 536
Burgdorf A. *see under* Reinsmoen N. L., **267,** 276
Burrows J. P., Harris G. W. and Thrush B. A. Rates of reaction of HO_2 with HO and O studied by laser magnetic resonance, **267,** 233
Burt D. R. *see under* Enna S. J., **267,** 184
Butcher F. R. *see under* Speaker M. G., **267,** 848
Butler R. F., Lindsay E. H., Jacobs L. L. and Johnson N. M. Magnetostratigraphy of the Cretaceious–Tertiary boundary in the San Juan Basin, New Mexico, **267,** 318
Butterfield D. A., Oeswein J. Q. and Markesbery W. R. Electron spin resonance study of membrane protein alterations in erythrocytes in Huntington's disease, **267,** 453
Byrd W. J., Jacobs D. M. and Amoss M. S. Synthetic polyamines added to cultures containing bovine sera reversibly inhibit *in vitro* parameters of immunity, **267,** 621
Cahn R. W. Beaded bubbles, *news and views*, **267,** 671
Solid chemical physics, *news and views*, **267,** 206
Cairns J. *see under* Samson L., **267,** 281
Campbell A. M. Circular superhelical DNA, *matters arising*, **267,** 728
Cannon B. *see under* Nedergaard J., **267,** 518
Carbonetto S. and Muller K. J. A regenerating neurone in the leech can form an electrical synapse on its severed axon segment, **267,** 450
Carde A. M. *see under* Roelofs W. L., **267,** 698
Carpenter B. S. *see under* Wagner G. A., **267,** 182
Carrasco L. and Smith A. E. Do viruses use calcium ions to shut off host cell functions? — Reply, *matters arising*, **267,** 376
Cartwright D., Langcake P., Pryce R. J., Leworthy D. P. and Ride J. P. Chemical activation of host defence mechanisms as a basis for crop protection, **267,** 511
Catchpole H. R. *see under* Miller R., **267,** 272
Cerami A. *see under* Jones R. L., **267,** 63
Cerling T. E., Hay R. L. and O'Neil J. R. Isotopic evidence for dramatic climatic changes in East Africa during the Pleistocene, **267,** 137
Chakraborty R. Cluture and genetic variability — Reply, *matters arising*, **267,** 375
Chalmers M. *see under* McGonigle B. O., **267,** 694
Chandler R. L. *see under* Cho H. J., **267,** 459
Changeux J-P. *see under* Teichberg V. I., **267,** 540
Chapman G. E. Metabolic studies using ^{31}P NMR, *news and views*, **267,** 482
Chapman V. M. *see under* Adler D. A., **267,** 838
Cheney D. L. *see under* Moroni F., **267,** 267
Chester R. *see under* Timoneit B. R. T., **267,** 682
Cho H. J., Greig A. S., Corp C. R., Kimberlin R. H., Chandler R. L. and Millson G. C. Virus-like particles from both control and scrapie-affected mouse brain, **267,** 459
Choquet C. *see under* Rosenfeld C., **267,** 841
Chubb I. W. *see under* Raine A. E. G., **267,** 265
Cita M. B. *see under* Hsü K. J., **267,** 399
Clark G. W. *see under* Lewin W. H. G., **267,** 28
Cokelet E. D. Breaking waves, **267,** 769
Collett T. Stereopsis in toads, **267,** 349
Collier G. E. and MacIntyre R. J. Low specific activity of rare allozymes of alpha-glycerophosphate dehydrogenase in *Drosophila*, **267,** 839
Constantinides P. G., Jones P. A. and Gevers W. Functional striated muscle cells from non-myoblast precursors following 5-azacytidine treatment, **267,** 364
Conway R. G. *see under* Davis R. J., **267,** 596
Coombs J. Biological sun-traps, *news and views*, **267,** 582
Coote J. G. Interference by bromodeoxyuridine with differentiation in a prokaryote, **267,** 635
Corbett C. L., Isaacs P. E. T., Hawker P. C. and Turnberg L. A. Theophylline-induced changes in ion transport and conductance in human small intestinal mucosa, **267,** 714
Corbin R. G., Latham J., Mill C., Smith M. H. and Stromberg I. M. Inhomogeneities in the water properties of fogs and clouds, **267,** 32
Corp C. R. *see under* Cho H. J., **267,** 459
Cosenza H. *see under* Julius M. H., **267,** 437
Costa E. *see under* Moroni F., **267,** 267
Costa M. *see under* Blessing W. W., **267,** 368
Cottrell G. A. *see under* Turner J. D., **267,** 447
Couper W. R. D. *see under* Axon H. J., **267,** 414
Courtneidge S. A. *see under* Zweerink H. J., **267,** 354
Covert J. B. and Reynolds W. W. Survival value of fever in fish, **267,** 43
Cox R. P. *see under* Ghosh N. K., **267,** 435
Cox R., Thacker J., Goodhead D. T. and Munson R. J. Mutation and inactivation of mammalian cells by various ionising radiations, **267,** 425
Crabtree G. R. *see under* Smith K. A., **267,** 523
Craig H. *see under* Lupton J. E., **267,** 603
see under Weiss R. F., **267,** 600
Craig I. J. D. and Brown J. E. Why measure astrophysical X-ray spectra? — Reply, **267,** 411
Craig P. J. *see under* Bartlett P. D., **267,** 606
Crannell C. J. *see under* Dolan J. F., **267,** 873
Crawford I. P. *see under* Hedges R. W., **267,** 283
Creese I. *see under* Enna S. J., **267,** 184
Crews D. *see under* Ross P. Jr, **267,** 344
Crow T. J., Deakin J. W. F. and Johnstone E. C. Stereospecificity and clinical potency of neuroleptics, *matters arising*, **267,** 183
Cruise A. M. Upper limits to X-ray emission from nova Vulpeculae 1976, **267,** 685
Crumpton M. J. *see under* Zweerink H. J., **267,** 354
Cupples C. G. and Tan Y. H. Effect of human interferon preparations of lymphoblastogenesis in Down's syndrome, **267,** 165
Curry M. C. *see under* Allen J. C., **267,** 623
Dakin F. M. *see under* Williams M. A. J., **267,** 690
Dancer B. N. Antibiotics and bacterial sporulation, *news and views*, **267,** 485
D'Angelo N. Night-time reception of solar radio events, **267,** 412
Darszon A. *see under* Montal M., **267,** 221
Davidson R. S. *see under* Beddard G. S., **267,** 373
Davies R. W. *see under* Schreier P. H., **267,** 555
Davis C. G. *see under* Gordon A. S., **267,** 539
Davis R. J., Stannard D. and Conway R. G. Two new D2 QSOs, **267,** 596
de Atley S. *see under* Hammond N., **267,** 608
de Blok J. W. and Tan-Maas M. Function of byssus threads in young postlarval *Mytilus*, *matters arising*, **267,** 558
De Gennaro L. J. *see under* Valenzuela P., **267,** 641
De Larco J. E *see under* Todaro G. J., **267,** 526
de Noronha F., Baggs R., Schäer W. and Bolognesi D. P. Prevention of oncornavirus-induced sarcomas in cats by treatment with antiviral antibodies, **267,** 54
de Vitry F. Growth and differentiation of a primitive nervous cell line after *in vivo* transplantation into syngeneic mice, **266,** 48
Deakin J. W. F. *see under* Crow T. J., **267,** 183
Deehr C. and Romick G. Pulsating aurora induced by upper atmospheric barium releases, **267,** 135
Degn H. *see under* Olsen L. F., **267,** 177
Delbaere L. T. J. *see under* James M. N. G., **267,** 808
Delseny M. *see under* Grellet F., **267,** 724
Demopoulos H. B. *see under* Pietronigro D. P., **267,** 78
Dennis B. R. *see under* Dolan J. F., **267,** 873
Dermott S. F. and Gold T. The rings of Uranus: theory, **267,** 590
Deshpande M. R., Rastogi R. G., Vats H. O., Klobuchar J. A., Sethia G., Jain A. R., Subbarao B. S., Patwari V. M., Janve A. V., Rai R. K., Singh M., Gurm H. S. and Murthy B. S. Effect of electrojet on the total electron content of the ionosphere over the Indian subcontinent, **267,** 599
Desmedt J. E. and Godaux E. Fast motor units are not preferentially activated in rapid voluntary contractions in man, **267,** 717
Devine M. C. Copulatory plugs, restricted mating opportunities and reproductive competition among male garter snakes, **267,** 345
Di Chiara G., Porceddu M. L., Fratta W. and Gessa G. L. Postsynaptic receptors are not essential for dopaminergic feedback regulation, **267,** 270
Di Lollo V. Temporal characteristics of iconic memory, **267,** 241
Diamond I. *see under* Gordon A. S., **267,** 539
Dichter M. A. *see under* Biales B., **267,** 172
Dienstag J. L. Virus particles in marmoset hepatitis — Reply, *matters arising*, **267,** 730
Dietrich J. W. *wee under* Raisz L. G., **267,** 532
Doake C. S. M. A possible effect of ice ages on the Earth's

magnetic field, **267,** 415
Doig R. *see under* Higgins M. D., **267,** 40
Dolan J. F., Crannell C. J., Dennis B. R., Frost K. J. and Orwig L. E. Intensity transitions in Cyg XR-1 observed at high energies from OSO 8, **267,** 873
Donaghey S., *see under* Hammond N., **267,** 608
Dover G. Probing satellite DNA, *news and views,* **267,** 397
Dover S. D. Whither protein structures? *news and views,* **267,** 109
Doy T. H. *see under* Hughes D. L., **267,** 517
Dreifuss J. J. *see under* Patel Y. C., **267,** 852
Duldig M. L. *see under* Thomas R. M., **267,** 332
Duncan R. *see under* Hobart P., **267,** 542
Dunham E. *see under* Elliot J. L., **267,** 328
Durham A. C. H. Do viruses use calcium ions to shut off host cell functions? *matters arising,* **267,** 375
Dutton J. W. R. and Lovett M. B. Supported ^{242}Cm in the marine environment, **267,** 37
Eales M. H. *see under* McKerrow W. S., **267,** 237
Echlin P. Low temperature electron microscopy, *news and views,* **267,** 312
Edmunds M. G. An induced birth for the Solar System? *news and views,* **267,** 393
Eggers H. J. *see under* Rosenwirth B., **267,** 370
Eglinton G. *see under* Simoneit B. R. T., **267,** 682
Eidinger D. *see under* Ramshaw I. A., **267,** 441
Eisner G. M. *see under* Bolger P. M., **267,** 628
Elder J. H., Jensen F. C., Bryant M. L. and Lerner R. A. Polymorphism of the major envelope glycoprotein (gp70) of murine C-type viruses: virion associated and differentiation antigens encoded by a multi-gene family, **267,** 23
Elliot J. L., Dunham E. and Mink D. The rings of Uranus, **267,** 328
Ellis D. S. and Evans D. A. Passage of *Trypanosome brucei rhodesiense* through the peritrophic membrane of *Glossina morsitans morsitans,* **267,** 834
Engel M. B. *see under* Miller R., **267,** 272
Enna S. J., Creese I., U'Prichard D. C., Greenberg D. A. and Snyder S. H. Stereospecificity and clinical potency of neuroleptics — Reply, *matters arising,* **267,** 184
Epstein C. J., Tucker G., Travis B. and Gropp A. Gene dosage for isocitrate dehydrogenase in mouse embryos trisomic for chromosome 1, **267,** 615
Erickson A. *see under* Hsü K. J., **267,** 399
Evans D. A. *see under* Ellis D. S., **267,** 834
Evans D. G. *see under* O'Meara G. F., **267,** 342
Evans E. D. *see under* Laros J. G., **267,** 131
Evans E. P., Ford C. E. and Lyon M. F. Direct evidence of the capacity of the XY germ cell in the mouse to become an oocyte, **267,** 430
Fanning T. G. *see under* Schreier P. H., **267,** 555
Fantes P. *see under* Nurse P., **267,** 647
Farrar H. IV. *see under* Rajan R. S., **267,** 133
Federici B. A. Differential pigmentation in the sexual phase of *Coelomomyces,* **267,** 514
Feldmann M. Are the Ir genes expressed by macrophages? *news and views,* **267,** 105
Ferland G. J. Nova shells: matter-bound or radiation-bound? **267,** 597
Fink G. *see under* Blessing W. W., **267,** 368
Finke J. H., Orosz C. G. and Battisto J. R. Splenic T-killer cells can be generated by allogeneic thymic cells in conjunction with assisting factor, **267,** 353
Fishlock D. Too late not to proliferate? *news,* **267,** 656
Flatman P. and Lew V. L. Use of ionophore A23187 to measure and to control free and bound cytoplasmic Mg in intact red cells, **267,** 360
Ford C. E. *see under* Evans E. P., **267,** 430
Ford W. L. *see under* Rannie G. H., **267,** 520
Forsdyke D. R. Role of receptor aggregation in complement-dependent inhibition of lymphocytes by high concentrations of concanavalin A, **267,** 358
Fratta W. *see under* Di Chiara G., **267,** 270
Freeling M. Spontaneous forward mutation versus reversion frequencies for maize *Adh1* in pollen, **267,** 154
Freestone I. C. and Hamilton D. L. Liquid immiscibility in $K_2O-Al_2O_3-SiO_2$ — Reply, *matters arising,* **267,** 559
Friedman M. I. *see under* Stricker E. M., **267,** 174
Friend P. S. *see under* Reinsmoen N. L., **267,** 276
Fripp R. E. P. *see under* Barton J. M., **267,** 487
Frost K. J. *see under* Dolan J. F., **267,** 873
Fuehr K. *see under* Packer L., **267,** 423
Fullard J. H. Phenology of sound-producing arctiid moths and the activity of insectivorous bats, **267,** 42
Fyfe W. S. Effects on biological evolution of changes in ocean chemistry, **267,** 510
Gabriel A. H. Why measure astrophysical X-ray spectra? **267,** 410
Galdston M. *see under* Twumasi D. Y., **267,** 61
Garner R. C. *see under* Martin C. N., **267,** 863
Garrison R. E. *see under* Hsü K. J., **267,** 399
Gaugas J. M. *see under* Allen J. C., **267,** 623
Gauss V. *see under* von der Mark K., **267,** 531
Gay L. A. and Stanfield P. R. Cs^+ causes a voltage-dependent block of inward K currents in resting skeletal muscle fibres, **267,** 169
Geffen L. B. *see under* Blessing W. W., **267,** 368
Gelin B. R. *see under* McCammon J. A., **267,** 585
Gergely P. *see under* Rosén A., **267,** 52
Gessa G. L. *see under* Di Chiara G., **267,** 270
Gething M. J. *see under* Koszinowski U., **267,** 160
Gevers W. *see under* Constantinides P. G., **267,** 364
Ghosh N. K. and Cox R. P. Induction of human follicle-stimulating hormone in He-La cells by sodium butyrate, **267,** 435
Giaquinta R. Possible role of rhoH gradient and membrane ATPase in the loading of sucrose into the sieve tubes, **267,** 369
Giblett E. R. *see under* Reinsmoen N. L., **267,** 276
Gieselmann M. J. *see under* Roelofs W. L., **267,** 698
Gilbert W. *see under* Maxam A. M., **267,** 643
Gillespie R. *see under* Williams M. A. J., **267,** 690
Glabe C. G. and Vacquier V. D. Species specific agglutination of eggs by bindin isolated from sea urchin sperm, **267,** 836
Gleadow A. O. W. *see under* Naeser C. W., **267,** 649
Godaux E. *see under* Desmedt J. E., **267,** 717
Goidl E. *see under* Murgita R. A., **267,** 257
Gold D. P. *see under* Pilione L. J., **267,** 182
Gold T. *see under* Dermott S. F., **267,** 590
Goldberg E. H. *see under* Tokuda S., **267,** 433
Goldman P. S. and Alexander G. E. Maturation of prefrontal local reversible cryogenic depression, **267,** 613
Goldsby R. A., Osborne B. A., Simpson E. and Herzenberg L. A. Hybrid cell lines with T-cell characteristics, **267,** 707
Goldstein D. J. and Halperin J. A. Mast cell histamine and cell dehydration thirst, **267,** 250
González R. M. *see under* Urbá-Holmgren R., **267,** 261
Goodhead D. T. *see under* Cox R., **267,** 425
Goodman D. G. *see under* Moon R. C., **267,** 620
Gordon A. S., Davis C. G., Milfay D. an Diamond I. Phosphorylation of acetylcholine receptor by endogenous membrane protein kinase in receptor-enriched membranes of *Torpedo californica,* **267,** 539
Goth-Goldstein R. Repair of DNA damaged by alkylating carcinogens is defective in xeroderma pigmentosum-derived fibroblasts, **267,** 81
Goutner A. *see under* Rosenfeld C., **267,** 841
Grady R. W. *see under* Jones R. L., **267,** 63
Grant P. T. and Mackie A. M. Drugs from the sea — fact or fantasy? **267,** 786
Grappelli C. *see under* Rossi G. B., **267,** 50
Graziano J. H. *see under* Jones R. L., **267,** 63
Greaves M. F. *see under* Rosenfeld C., **267,** 841
Greenberg D. A. *see under* Enna S. J., **267,** 184
Greene P. J. Culture and genetic variability, *matters arising,* **267,** 375
Greengard P. *see under* Beam K. G., **267,** 534
Greenhill J. G. *see under* Thomas R. M., **267,** 332
Gregory P. J. *see under* Raybould C. C., **267,** 146
Greig A. S. *see under* Cho H. J., **267,** 459
Grellet F., Delseny M. and Guitton Y. Histone content of germinating pea embryo chromatin decreases as DNA replicates, **267,** 724
Grenley R. M. *see under* Sprague K. U., **267,** 462
Gresser I. *see under* Tovey M. G., **267,** 455
Grewal M. S. *see under* Verma I. C., **267,** 729
Grime J. P. *see under* Thompson K., **267,** 147
Grinnell A. D., Rheuben M. B. and Letinsky M. S. Repression of synaptic efficacy in frog skeletal muscle — Reply, *matters arising,* **267,** 866
Gronenborn G. *see under* Schreier P. H., **267,** 555
Gropp A. *see under* Epstein C. J., **267,** 615
Gros D. *see under* Kourilsky P., **267,** 637
Grubbs C. J. *see under* Moon R. C., **267,** 620
Gryglewski R. J., Zmuda A., Korbut R., Krecioch E. and Bieron K. Selective inhibition of thromboxane A_2 biosynthesis in blood platelets, **267,** 627
Guilley H. *see under* Richards K., **267,** 548
Guitton Y. *see under* Grellet F., **267,** 724
Gupta P. and Rapp F. Effect of hormones on herpes simplex virus type-2-induced transformation, **267,** 254
Gurari-Rotman D. *see under* Yaron M., **267,** 457
Gurm H. S. *see under* Deshpande M. R., **267,** 599
Habener J. F. *see under* Kronenberg H. M., **267,** 804
Hahn G. M. *see under* Li G. C., **267,** 163
Hakura A. Simian virus 40 facilitates multiplication of replication defective mutants of polyoma virus in BALB/3T3 mouse cells, **267,** 528
Hall B. D. *see under* Olson M. V., **267,** 639
Hall S. A. Cretaceous and Tertiary dinoflagellates from Seymour Island, Antarctica, **267,** 239
Halperin J. A. *see under* Goldstein D. J., **267,** 250
Hamilton D. L. *see under* Freestone I. C., **267,** 559
Hamlyn P. Green light for the signal hypothesis? *news and views,* **267,** 207
Hammond N., Donaghey S., Berger R., de Atley S., Switsur V. R. and Ward A. P. Maya Formative phase radiocarbon dates from Belize, **267,** 608
Harkness L. Chameleons use accommodation cues to judge distance, **267,** 346
Harley R., James D., Miller A. and White J. W. Phonons and the elastic moduli of collagen and muscle, **267,** 285
Harnden D. G. *see under* Edwards J. H., **267,** 728
Harness E. *see under* Hughes D. L., **267,** 517
Harris G. W. *see under* Burrows J. P., **267,** 233
Haruna I. *see under* Itoh Y. H., **267,** 467
Haussler M. R. *see under* Boass A., **267,** 630
Hawker P. C. *see under* Corbett C. L., **267,** 714
Hay A. An aid to development? *news,* **267,** 571
Séveso solicitude, *news,* **267,** 384
Zoo story, *news,* **267,** 94
Hay R. L. *see under* Cerling T. E., **267,** 137
Hayward L. D. A new theory of olfaction based on dispersion-induced optical activity, **267,** 554
Hazard C. The Earth's core, *news and views,* **267,** 670
Hedges R. W., Jacob A. E. and Crawford I. P. Wide ranging plasmid bearing the *Pseudomonas aeruginosa* tryptophan synthase genes, **267,** 283
Heinemann S. F. *see under* Bevan S., **267,** 263
Helfand D. J. and Tademaru E. Tugboat model for OB binaries, X-ray stars and pulsars, **267,** 130
Hellman P. L. and Henderson P. Are rare earth elements mobile during spilitisation? **267,** 38
Hemker H. C. *see under* Muller A. D., **267,** 616
Hemmingsen E. A. Spontaneous formation of bubbles in gas-supersaturated water, **267,** 141
Henderson P. *see under* Hellman P. L., **267,** 38
Henrick C. A. *see under* Roelofs W. L., **267,** 698
Herring P. J. Bioluminiscence of marine organisms, **267,** 788
Herzenberg L. A. *see under* Goldsby R. A., **267,** 707
Hesketh T. R., Smith G. A., Houslay M. D., Warren G. B. and Metcalfe J. C. Is an early calcium flux necessary to stimulate lymphocytes? **267,** 490
Higashi H. 5-Hydroxytryptamine receptors on visceral primary afferent neurones in the nodose ganglion of the rabbit, **267,** 448
Higgins M. D. and Doig R. 540-Myr-old anorthosite complex in the Grenville Province of Quebec, Canada, **267,** 40
Hillman J. R. *see under* Young I. J., **267,** 429
Hiraki S. *see under* Miyoshi I., **267,** 843
Hiu I. J. The adjuvant active fraction of delipidated mycobacteria, **267,** 708
Ho M. *see under* Mayo D. R., **267,** 721
Hoard L. G. *see under* Shieh H. S., **267,** 287
Hobart P., Duncan R. and Infante A. A. Association of DNA synthesis with the nuclear membrane in sea urchin embryos, **267,** 542
Hodge P. W. *see under* Rajan R. S., **267,** 133
Hodgson P. E. Giant haloes explained, *news and views,* **267,** 581
Multinucleon transfer reactions, *news and views,* **267,** 107
Systematic behaviour of E1 decays in sodium, *news and views,* **267,** 483
Hodson R. E. *see under* Azam F., **267,** 696
Hoffman J. A. *see under* Lewin W. H. G., **267,** 28
see under Lewin W. H. G., **267,** 28
Holjlund Nielsen P. E. Change stabilisation of very small particles of mixed oxides, **267,** 822
Hollis R. C. *see under* Zepp R. G., **267,** 421
Holmes K. *see under* Stubbs G., **267,** 216
Holmgren B. *see under* Urbá-Holmgren R., **267,** 261
Holser W. T. Catastrophic chemical events in the history of the ocean, **267,** 403
Hopper A. K. *see under* Olson M. V., **267,** 639
Horodyski F. *see under* Olson M. V., **267,** 639
Houslay M. D. *see under* Hesketh T. R., **267,** 490
Hsu K. J., Montadert L., Bernoulli D., Cita M. B., Erickson A., Garrison R. E., Kidd R. B., Mélières F., Müller C. and Wright R. History of the Mediterranean salinity crisis, **267,** 399
Hsu I-N. *see under* James M. N. G., **267,** 808
Hubbard W. *see under* Raisz L. G., **267,** 532
Hucho F. TEA binding sites in crayfish axon membranes, **267,** 719
Hughes D. Phobos and Deimos, the moons of Mars, *news and views,* **267,** 758
Hughes D. L., Harness E. and Doy T. G. Loss of ability to kill *fasciola hepatica* in sensitised rats, **267,** 517
Hughes J. *see under* Lord J. A. H., **267,** 495
Centrally active peptides, *news and views,* **267,** 106
Hughes T. P. New laster facility at Rutherford, *news and views,* **267,** 666
Hurford A. J. *see under* Naeser C. W., **267,** 649
Hut P. Cosmological tests of general relativity, **267,** 128
Ichinotsubo D. *see under* Mandel M., **267,** 248
Ilani A. *see under* Zorof E., **267,** 362
Infante A. A. *see under* Hobart P., **267,** 542
Isaacs J. D. The life of the open sea, **267,** 778
Isaacs P. E. T. *see under* Corbett C. L., **267,** 714
Itoh T. *see under* Itoh Y. H., **267,** 467
Itoh Y. H., Itoh T., Haruna I. and Watanabe I. Substitution of guanine for a specific base in tRNA by extracts of Ehrlich ascites tumour cells, *matters arising,* **267,** 467
Jackson D. F. and Rhoades-Brown M. A consistent description of the nuclear alpha-decay process, **267,** 593
Jackson I. M. D. and Reichlin S. Brain thyrotrophin-releasing hormone is independent of the hypothalamus, **267,** 853
Jacob A. E. *see under* Hedges R. W., **267,** 283
Jacob S. T. *see under* Rose K. M., **267,** 178
Jacobs D. M. *see under* Byrd W. J., **267,** 621
Jacobs L. L. *see under* Butler R. F., **267,** 318
Jain A. R. *see under* Deshpande M. R., **267,** 599
James D. *see under* Harley R., **267,** 285
James M. N. G., Hsu I-N. and Delbaere L. T. J. Mechanism of acid protease catalysis based on the crystal structure of penicillopepsin, **267,** 808
Jamieson R. A. *see under* Berger A. R., **267,** 468
Janve A. V. *see under* Deshpande M. R., **267,** 599
Jardine W. G. Location and age of Mesolithic coastal occupation sites on Oronsay, Inner Hebrides, **267,** 138
Jelley J. V., Baird G. A. and O'Mongain E. Comments on the optical and radio detection of black hole explosions, **267,** 499
Jensen F. C. *see under* Elder J. H., **267,** 23
Johanson D. C. *see under* Aronson J. L., **267,** 323
Johnson B. and Szekely M. Specific binding site of *E. Coli* initiation factor 3 (IF3) at a 3′-terminal region of MS2 RNA, **267,** 550
Johnson M. *see under* Ross D., **267,** 536
Johnson N. M. *see under* Butler R. F., **267,** 318
Johnson R. C. Gap filling during postreplication repair of DNA in recombination deficient *Escherichia coli,* **267,** 80
Johnston A. W. B. and Beringer J. E. Chromsomal recombination between *Rhizobium* species, **267,** 611

Johnstone A. Man-made auroral pulsations, *news and views*, **267**, 104
Johnstone E. C. *see under* Crow T. J., **267**, 183
Jonard G. *see under* Richards K., **267**, 548
Jondal M. *see under* Rosén A., **267**, 52
Jones E. J. W. and Mgbatogu C. C. S. Jurassic sea-floor spreading in the eastern Equatorial Atlantic, **267**, 688
Jones G. H. S. High explosive analogue of the Tunguska event, **267**, 605
Jones P. A. *see under* Constantinides P. G., **267**, 364
Jones R. L., Peterson C. M., Grady R. W., Kumbaraci T., Cerami A. and Graziano J. H. Effects of iron chelators and iron overload on *Salmonella* infection, **267**, 63
Jones W. B. G. *see under* Pietronigro D. P., **267**, 78
Jonscher A. K. The 'universal' dielectric response, *review article*, **267**, 673
Jukes T. H. Federation meetings, *news*, **267**, 8
Mission to Mars, *news*, **267**, 748
Quackery triumph, *news*, **267**, 201
What is organic? *news*, **267**, 576
Julius M. H., Cozenza H. and Augustin A. A. Parallel expression of new idiotypes on T and B. cells, **267**, 437
Kaethner T. M. Conformational change theory for auxin structure–activity relationships, **267**, 19
Kalin M. and Knerer G. Group and mass effects in liprionid sawflies, **267**, 427
Kalty K. *see under* Pietronigro D. P., **267**, 78
Kamata T. and Watanabe Y. Role for nucleocapsid protein phosphorylation in the transcription of influenza virus genome, **267**, 460
Kan G. *see under* Van Lier J. E., **267**, 522
Kaneoka I. *see under* Ozima M., **267**, 816
Karplus M. *see under* McCammon J. A., **267**, 585
Kayibanda B. *see under* Rosenfeld C., **267**, 841
Kazanas D. Neutrino angular momentum losses in stellar collapse, **267**, 501
Keith G. *see under* Richards K., **267**, 548
Kennedy S. J. *see under* Smith K. A., **267**, 523
Kidd R. B. *see under* Hsü K. J., **267**, 399
Kiflawi I and Lang A. R. Polarised infrared cathodoluminescence from platelet defects in natural diamonds, **267**, 36
Kimberlin R. H. *see under* Cho H. J., **267**, 459
Kimura I. *see under* Miyoshi I., **267**, 843
Kimura M. Preponderance of synonymous changes as evidence for the neutral theory of molecular evolution, **267**, 275
Kinder J. *see under* Axon H. J., **267**, 414
Kinman T. D. Possible relation between optical and very long baseline interferometer radio observations of the QSO 3C 345, **267**, 798
Kirsten W. H. *see under* Prochownik E. V., **267**, 175
Kishimoto H. *see under* Miyoshi I., **267**, 843
Klebesadel R. W. *see under* Laros J. G., **267**, 131
Klein G. *see under* Rosén A., **267**, 52
Kleindienst M. R., Clark J. D., Lee C. and Bada J. L. Amino acids in fossil woods, *matters arising*, **267**, 468
Klobuchar J. A. *see under* Deshpande M. R., **267**, 599
Knerer G. *see under* Kalin M., **267**, 427
Knight P. Muonium hyperfine structure, *news and views*, **267**, 582
Knights B. A. *see under* Young I. J., **267**, 429
Körner A. and Pawelek J. Activation of melanoma tyrosinase by a cyclic AMP-dependent protein kinase in a cell-free system, **267**, 444
Koch K. S. *see under* Leffert H. L., **267**, 58
Kochhlar R. K. On the orientation of the pulsar space velocity vector relative to the spin axis, **267**, 231
Kochupillai N. *see under* Verma I. C., **267**, 729
Kollmeyer R. C. *see under* Robe R. Q., **267**, 505
Kontiainen S. *see under* Murgita R. A., **267**, 257
Korbut R. *see under* Gryglewski R. J., **267**, 627
Kosterlitz H. W. *see under* Lord J. A. H., **267**, 495
Kostyuk P. G., Krishtal O. A. and Pidoplichko V. I. Asymmetrical displacement currents in nerve cell membrane and effect of internal fluoride, **267**, 70
Koszinowski U., Gething M. J. and Waterfield M. T-cell cytotoxicity in the absence of viral protein synthesis in target cells, **267**, 160
Kourilsky P., Gros D., Rougeon F. and Mach B. Transcription of a mammalian sequence under phage lambda control, **267**, 637
Krankowsky D. *see under* Arnold F., **267**, 30
Krebs J. Sex ratios in social insects, *news and views*, **267**, 311
Krecioch E. *see under* Gryglewski R. J., **267**, 627
Krishtal O. A. *see under* Kostyuk P. G., **267**, 70
Krogh E. J. Evidence of Precambrian continent–continent collision in Western Norway, **267**, 17
Kronenberg H. M., Roberts B. E., Habener J. F., Potts J. T. Jr and Rich A. DNA complementary to parathyroid mRNA directs synthesis of pre-proparathyroid hormone in a linked transcription–translation system, **267**, 804
Kubonishi I. *see under* Miyoshi I., **267**, 843
Kullberg R. W. *see under* Bevan S., **267**, 263
Kumbaraci T. *see under* Jones R. L., **267**, 63
Kunze D. L., Saum W. R. and Brown A. M. Sodium sensitivity of baroreceptors mediates reflex changes of blood pressure and urine flow, **267**, 75
Kuppuswamy K. *see under* Bhattacharyya J. C., **267**, 331
Kwok S. and Bryant-Greenwood G. Primary structure of procine relaxin: homology with insulin and related growth factors, **267**, 544
Lande S. *see under* Varga J. M., **267**, 56
Landshoff P. Head-on proton collisions, *news and views*, **267**, 313
Lang A. R. *see under* Kiflawi I., **267**, 36
Langcake P. *see under* Cartwright D., **267**, 511
Laros J. G., Evans W. D., Klebesadel R. W., Olson R. A. and Spalding R. E. Preliminary results from Solrad 11 gamma-burst detectors, **267**, 131
Latham J. *see under* Corbin R. G., **267**, 32
Lawrence E. Molecular genetics at Hirschhorn, *news and views*, **267**, 209
Le Pichon X. 1967-77: Ten years of marine geology and geophysics, **267**, 765
Leask M. J. M. A physicochemical mechanism for magnetic field detection by migratory birds and homing pigeons, **267**, 144
Leather S. R. *see under* Middlemiss D. N., **267**, 289
Lee W. Y. and Sehon A. H. Abrogation of reaginic antibodies with modified allergens, **267**, 618
Lees A. D. Action of juvenile hormone mimics on the regulation of larval–adult and alary polymorphism in aphids, **267**, 46
Leffert H. L., Moran T. Boorstein R. and Koch K. S. Procarcinogen activation and hormonal control of cell proliferation in differentiated primary adult rat liver cell cultures, **267**, 58
Leggett J. K. *see under* McKerrow W. S., **267**, 237
Lerner A. B. *see under* Varga J. M., **267**, 56
Lerner R. A. *see under* Elder J. H., **267**, 23
Letinsky M. S. *see under* Grinnell A. D., **267**, 866
Levytska V. *see under* Twumasi D. Y., **267**, 61
Lew V. L. *see under* Flatman P., **267**, 360
Lewin W. H. G., Hoffman J. A., Doty J., Clark G. W., Swank J. H., Becker R. H., Pravdo S. H. and Serlemitsos P. J. Galactic distribution of X-ray burst sources, **267**, 28
Leworthy D. P. *see under* Cartwright D., **267**, 511
Li G. C., Hahn G. M. and Tolmach L. J. Cellular inactivation by ultrasound, **267**, 163
Liacopoulos P. *see under* Bleux C., **267**, 709
Libni M. *see under* Nevo E., **267**, 699
Liener I. *see under* Twumasi D. Y., **267**, 61
Lindberg O. *see under* Nedergaard J., **267**, 518
Lindner H. R. *see under* Nimrod A., **267**, 632
see under Yaron M., **267**, 457
Lindsay E. H. *see under* Butler R. F., **267**, 315
Lischwe M. A. and Sung M. T. A histone-like protein from adenovirus chromatin, **267**, 552
Livshits L. D. and Bolkhovitinov L. G. Weak shock waves in the eruption column, **267**, 420
Lloyd C. W. *see under* Rees D. A., **267**, 124
Lockwood T. D. and Shier W. T. Regulation of acid proteases during growth, quiescence and starvation in normal and transformed cells, **267**, 252
Loewenstein W. R. *see under* Rose B., **267**, 625
Lonsdale P. *see under* Weiss R. F., **267**, 600
Lord J. A. H., Waterfield A. A., Hughes J. and Kosterlitz H. W. Endogenous opioid peptides: multiple agonists and receptors, **267**, 495
Lovelock J. E. Methyl chloroform in the troposphere as an indicator of OH radical abundance, **267**, 32
Lovett M. B. *see under* Dutton J. W. R., **267**, 37
Luborsky F. E. Magnetism in amorphous alloys, *news and views*, **267**, 583
Luckhurst G. R. and Zannoni C. Why is the Maier–Saupe theory of nematic liquid crystals so successful? **267**, 412
Ludwig R. A. and Signer E. R. Glutamine synthetase and control of nitrogen fixation in *Rhizobium*, **267**, 245
Lupton J. E. *see under* Weiss R. F., **267**, 600
Lupton J. E., Weiss R. F. and Craig H. Mantle helium in hydrothermal plumes in the Galapagos Rift, **267**, 603
Lyon M. F. *see under* Evans E. P., **267**, 430
Mach B. *see under* Kourilsky P., **267**, 637
Mackie A. M. *see under* Grant P. T., **267**, 786
Maier D. C. *see under* Robe R. Q., **267**, 505
Malinowska D. H. *see under* Mollgard K., **267**, 183
Manalis R. S. Voltage dependent effect of curare at the frog neuromuscular junction, **267**, 366
Mandel M., Ichinotsubo D. and Mower H. Nitroso group exchange as a way of activation of nitrosamines by bacteria, **267**, 248
Manos J. Going on the defensive, *news*, **267**, 194
Maraschi L. and Treves A. On the association between a gamma-ray burst and a radio pulse, **267**, 815
Marien K. H. *see under* Arnold F., **267**, 30
Mark R. Repression of synaptic efficacy in frog skeletal muscle, *matters arising*, **267**, 866
Markesbery W. R. *see under* Butterfield D. A., **267**, 453
Maroudas N. G. Collagen microfibrils and cell attachment proteins, *matters arising*, **267**, 183
Martin C. N. and Garner R. C. Aflatoxin B-oxide generated by chemical or enzymic oxidation of aflatoxin B_1 causes guanine substitution in nucleic acids, **267**, 863
Martin T. J. *see under* Best L. C., **267**, 850
Masiarz F. R. *see under* Valenzuela P., **267**, 641
Mason D. W., Simmonds S. J. and White R. A. H. Failure to demonstrate allotype-specific helper cells for antibody production in the rat, **267**, 440
Mason G. *see under* Thompson K., **267**, 147
Mason K. O. *see under* White N. E., **267**, 229
Masuda A. and Tanaka T. How did barium titanate particulates stick together in the nebula? **267**, 231
Masuji H. *see under* Miyoshi I., **267**, 843
Matarese G. P. *see under* Rossi G. B., **267**, 52
Matsuda Y. *see under* Miyoshi I., **267**, 843
Matsushiro A. *see under* Yutani K., **267**, 274
Matt H. *see under* Plattner H., **267**, 702
Matthews H. R. The structure of transcribing chromatin, *news and views*, **267**, 203
Maxam A. M., Tizard R., Skyrabin K. G. and Gilbert W. Promotor region for yeast 5S ribosomal RNA, **267**, 643
May R. M. Food lost to pests, *news and views*, **267**, 669
More water for arid lands, *news and views*, **267**, 204
Optimal life-history strategies, *news and views*, **267**, 394
Mayo D. R., Armstrong J. A. and Ho M. Reactivation of murine cytomegalovirus by cyclophosphamide, **267**, 721
McCain T. A. *see under* Boass A., **267**, 630
McCammon J. A., Gelin B. R. and Karplus M. Dynamics of folded proteins, **267**, 585
McClintock P. V. E. Superfluid helium: untying the tangle, *news and views*, **267**, 395
McFee C. F. *see under* Blandford R. D., **267**, 211
McGonigle B. O. and Chalmers M. Are monkeys logical? **267**, 694
McIntyre R. J. *see under* Collier G. E., **267**, 839
McKerrow W. S., Leggett J. K. and Eales M. H Imbricate thrust model of the Southern Uplands of Scotland, **267**, 237
McLachlan A. D. Repeated helical pattern in apolipoprotein-A-I, **267**, 465
McLaren A. and Smith R. Functional test of tight junctions in the mouse blastocyst, **267**, 351
McLaren D. Nutrition planning: the poverty of holism, *news*, **267**, 742
McMullen A. I., Reiter P. and Phillips M. C. Mode of action of insoluble monolayers on mosquito pupal respiration, **267**, 244
Mélières F. *see under* Hsü K. J., **267**, 399
Mellanby K. Dangers of safety, *news*, **267**, 392
Duty on oil, *news*, **267**, 305
Ecology on film, *news*, **267**, 664
Muck is magic, *news*, **267**, 101
Messing J. *see under* Schreier P. H., **267**, 555
Mester J. *see under* Sutherland R., **267**, 434
Metcalfe J. C. *see under* Hesketh T. R., **267**, 490
Mgbatogu C. C. S. *see under* Jones E. J. W., **267**, 688
Middlemiss D. N., Blakeborough L. and Leather S. R. Direct evidence for an interaction of beta-adrenergic blockers with the 5-HT receptor, **267**, 289
Miles E. Developments in the law of the sea, **267**, 760
Milfay D. *see under* Gordon A. S., **267**, 539
Mill C. *see under* Corbin R. G., **267**, 32
Miller A. *see under* Harley R., **267**, 285
Miller D. J. The accelerator after next, *news and views*, **267**, 12
Miller R., Engel M. B. and Catchpole H. R. Hydroxyproline-containing protein adsorbed on to cellular elements of whole human blood, **267**, 272
Miller W. V. *see under* Reinsmoen N. L., **267**, 276
Millis R. L., Wasserman L. H. and Birch P. V. Detection of rings around Uranus, **267**, 330
Millson G. C. *see under* Cho H. J., **267**, 459
Minden P. *see under* Sharma B., **267**, 845
Mink D. *see under* Elliot J. L., **267**, 328
Miyoshi I., Hiraki S., Tsubota T., Kubonishi I., Matsuda Y., Nakayama T., Kishimoto H., Kimura K. and Masuji H. Human B cell, T cell and null cell leukaemic cell lines derived from acute lymphoblastic leukaemias, **267**, 843
Möhler H. and Okada T. GABA receptor binding with ^{3}H(+) bicuculline-methiodide in rat CNS, **267**, 65
Moazed C., Overbey R. and Spector R. M. Alpha-induced coloration reversal in biotite, **267**, 818
Moeskops P. G. New type of igneous layering due to fractionation of Archaean ultramafic magma, **267**, 508
Mollgard K., Malinowska D. H. and Saunders N. R. Lack of correlation between tight junction morphology and permeability properties in developing choroid plexus — Reply, *matters arising*, **267**, 183
Molnar P. *see under* Norton I., **267**, 338
Montadert L. *see under* Hsü K. J., **267**, 399
Montal M., Darszon A. and Trissl H. W. Transmembrane channel formation in rhodopsin-containing bilayer membranes, **267**, 221
Montgomery A. and Swenarchuk L. Dystrophic mice show age related muscle fibre and myelinated axon losses, **267**, 167
Montgomery D. L. *see under* Olson M. V., **267**, 639
Moon R. C., Grubbs C. J., Sporn M. B. and Goodman D. G. Retinyl acetate inhibits mammary carcinogenesis induced by *N*-methyl-*N*-nitrosourea, **267**, 620
Moore A. L. Photosynthesis and photorespiration, *news and views*, **267**, 307
Moore P. D. Iranian natural history, *news and views*, **267**, 207
Moran T. *see under* Leffert H. L., **267**, 58
Moreno D. S. *see under* Roelofs W. L., **267**, 698
Moroni F., Cheney D. L. and Costa E. Beta Endorphin inhibits ACh turnover in nuclei of rat brain, **267**, 267
Morris A. G. *see under* Tovey M. G., **267**, 455
Morrison A. R., Nishikawa K. and Needleman P. Unmasking of thromboxane A_2 synthesis by ureteral obstruction in the rabbit kidney, **267**, 259
Morton S. F. *see under* Bartlett P. D., **267**, 606
Mower H. *see under* Mandel M., **267**, 248
Müller C. *see under* Hsü K. J., **267**, 399
Muhlegger M. *see under* Saenger W., **267**, 225
Mukherjee A. K. and Sivaramakrishnan T. R. Surface wind and sea waves in a hurricane field, **267**, 236
Muller A. D., van Doorm J. M. and Hemker H. C. Heparin-like inhibitor of blood coagulation in normal newborn, **267**, 616
Muller K. J. *see under* Carbonetto S., **267**, 450
Muller P. *see under* von der Mark K., **267**, 531
Munck A. U. *see under* Smith K. A., **267**, 523
Munk W. H. and Williams G. O. Acoustic oceanography, **267**, 774
Munson R. J. *see under* Cox R., **267**, 425
Murgita R. A., Goidl E. A., Kontiainen S. and Wigzell H.

Alpha-Fetoprotein induces suppressor T cells *in vitro*, **267,** 257

Murthy B. S. *see under* Deshpande M. R., **267,** 599

Naeser C. W. *see under* Aronson J. L., **267,** 323

Naeser C. W., Hurford A. J. and Gleadow A. O. W. Fission-track dating of pumice from the KBS Tuff, East Rudolf, Kenya — Reply, *matters arising*, **267,** 649

Nairn A. E. M. *see under* Aronson J. L., **267,** 323

Nakayama T. *see under* Miyoshi I., **267,** 843

Narahashi T. *see under* Anwyl R., **267,** 262

Naraine M. Science for progress, *news*, **267,** 298

Nawrath H. Does cyclic GMP mediate the negative inotropic effect of acetylcholine in the heart? **267,** 72

Nedergaard J., Cannon B. and Lindberg O. Microcalorimetry of isolated mammalian cells, **267,** 518

Needleman P. *see under* Morr.son A. R., **267,** 259

Neff J. L. *see under* Simpson B. B., **267,** 150

Neshyba S. Upwelling by icebergs, **267,** 507

Nestler E. J. *see under* Beam K. G., **267,** 534

Nevo E., Thimeoni T. and Libni M. Thermal selection of allozyme polymorphisms in barnacles, **267,** 699

Newmark P. Membranes and receptors, *news and views*, **267,** 107

Nexø B. A. *see under* Ulrich K., **267,** 723

Nielsen E. and Axford W. I. Small scale auroral absorption events associated with substorms, **267,** 502

Nigam V. N. *see under* Van Lier J. E., **267,** 522

Nimrod A., Tsafriri A. and Lindner H. R. *In vitro* induction of binding sites for hCG in rat granulosa cells by FSH, **267,** 632

Nishikawa K. *see under* Morrison A. R., **267,** 259

Nissley S. P. *see under* Todaro G. J., **267,** 526

Noel M. The Late Weichselian geomagnetic event, *matters arising*, **267,** 181

Noel B. *see under* Quack B., **267,** 431

Nordman C. E. *see under* Shieh H. S., **267,** 287

Norman C. To get more than enough, **news, 267,** 743

Norton I. and Molnar P. Implications of a revised fit between Australia and Antarctica for the evolution of the Eastern Indian Ocean, **267,** 338

Nurse P. and Fantes P Transition probability and cell-cycle initiation in yeast, *matters arising*, **267,** 647

Nye J. F. *see under* Berry M. V., **267,** 34

Ostrom B. Marine research in China, **267,** 794

Oates J. A. *see under* Raisz L. G., **267,** 532

O'Donald P. Mating advantage of rare males in models of sexual selection, **267,** 151

Oeswein J. Q. *see under* Butterfield D. A., **267,** 453

Ogasahara K. *see under* Yutani K., **267,** 274

Ohashi Y. and Sasada Y. X-ray analysis of Co–C bond cleavage in the crystalline state, **267,** 142

Ohta T. Genetic variation in multigene families, **267,** 515

Okada T. *see under* Möhler H., **267,** 65

O'Keefe M. *see under* Andersson S., **267,** 605

Oliver J. M. *see under* Williams D. A., **267,** 255

Olsen L. F. and Degn H. Chaos in an enzyme reaction, **267,** 177

Olson M. V., Montgomery d. l., Hopper A. K., Page G. S., Horodyski F. and Hall B. D. Molecular characterisation of the tyrosine tRNA genes of yeast, **267,** 639

Olson R. A. *see under* Laros J. G., **267,** 131

O'Meara G. F. and Evans D. G. Autogeny in saltmarsh mosquitos induced by a substance from the male accessory gland, **267,** 342

O'Mongain E. *see under* Jelley J. V., **267,** 499

Omori M. *see under* Yajima S., **267,** 823

O'Neil J. R. *see under* Cerling T. E., **267,** 137

Orford K. J. Cosmic gamma-ray bursts, *news and views*, **267,** 103

Orosz C. G. *see under* Finke J. H., **267,** 353

Orwig L. E. *see under* Dolan J. F., **267,** 873

Osborne B. A. *see under* Goldsby R. A., **267,** 707

O'Shea T. What can artificial intelligence offer psychology? *news and views*, **267,** 396

Overbey R., *see under* Moazed C., **267,** 818

Owen J. R. A proposed cadmium–selenium film–electrolyte Schottky barrier solar cell, **267,** 504

Ozima M., Kaneoka I. and Ujiie H. ^{40}Ar-^{39}Ar age of rocks, and the development mode of the Philippine Sea, **267,** 816

Paal Z. and Tetenyi P. A new classification of metal catalysts in skeletal reactions of hydrocarbons, **267,** 234

Packer L. and Fuehr K. Low oxygen concentration extends the lifespan of cultured human diploid cells, **267,** 423

Page G. S. *see under* Olson M. V., **267,** 639

Parish C. R. Simple model for self and non-self-discrimination in invertebrates, **267,** 711

Parker J. *see under* Pollard J. W., **267,** 371

Parkinson J. H. Astrophysical X-ray spectra: alive and well, **267,** 409

Patel Y. C., Zingg H. H. and Dreifuss J. J. Calcium-dependent somatostatin secretion from rat neurohypophysis *in vitro*, **267,** 852

Patwari V. M. *see under* Deshpande M. R., **267,** 599

Pawelek J. *see under* Körner A., **267,** 444

Peake J. F. *book review of* Atlas of the Non-Marine Mollusca of the British Isles (Kerney M. P., *Editor*) **267,** 734

Pegg D. T. Future variation of Planck's constant, **267,** 408

Pendry J. New technique for surface crystallography, *news and views*, **267,** 755

Peres A. R. *see under* Adrian R. H., **267,** 800

Perry J. D. Zonal winds associated with the dry periods 1975-76 in England and Wales, **267,** 418

Peters J. *In vivo* photoinactivation of *Escherichia coli* ribonucldotide reductase by near-ultraviolet light, **267,** 546

Peters K. *see under* Sundstrom V., **267,** 645

Peterson C. M. *see under* Jones R. L., **267,** 63

Phillips M. C. *see under* McMullan A. I., **267,** 244

Pichler H. and Schiering W. The Thera eruption and Late Minoan-IB destructions on Crete, **267,** 819

Pico J. L. *see under* Rosenfeld C., **267,** 841

Pidoplichko V. I. *see under* Kostyuk P. G., **267,** 70

Pietronigro D. P., Jones W. B. G., Kalty K. and Demopoulos H. B. Interaction of DNA and liposomes as a model for membrane mediated DNA damage, **267,** 78

Pike J. W. *see under* Boass A., **267,** 630

Pilione L. J. and Gold D. P. Liquid nitrogen enhancement of partially annealed fission tracks in glass — Reply, *matters arising*, **267,** 182

Pitha P. Twenty years after, *news and views*, **267,** 486

Plattner H., Reichel K. and Matt H. Bivalent-cation-stimulated ATPase activity at preformed exocytosis sites in *Paramecium* coincides with membrane-intercalated particle aggregates, **267,** 702

Pockley P. Under a cloud of committees, *news*, **267,** 476

Pollard J. W. and Parker J. Guanosine tetra- and pentaphosphate synthesis by bacterial stringent factor and eukaryotic ribosomes, **267,** 371

Porceddu M. L. *see under* Di Chiara G., **267,** 270

Porter N. A. and Weekes T. C. Optical pulses from primordial black hole explosions, **267,** 500

Potts J. T. *see under* Kronenberg H. M., **267,** 804

Prager S. *see under* Talmon Y., **267,** 333

Pravdo S. H. *see under* Lewin W. H. G., **267,** 28

Preston F. E. *see under* Best L. C., **267,** 850

Priede I. G. Natural selection for energetic efficiency and the relationship between activity level and mortality, **267,** 610

Prochownik E. V. and Kirsten W. H. Nucleic acid sequences of primate type C viruses in normal and neoplastic human tissues, **267,** 175

Pryce R. J. *see under* Cartwright D., **267,** 511

Puigjaner L. C. *see under* Subirana J. A., **267,** 727

Quack B. and Noel B. The XY chromosome pair in mouse and human sper.natocytes, visualised by silver staining, **267,** 431

Rahamimoff R. *see under* Shimoni Y., **267,** 170

Rai R. K. *see under* Deshpande M. R., **267,** 599

Raine A. E. G. and Chubb I. W. Long term beta-adrenergic blockade reduces tyrosine hydroxylase and dopamine beta-hydroxylase activities in sympathetic ganglia, **267,** 265

Raisz L. G., Dietrich J. W., Simmons H. A., Seyberth H. W., Hubbard W. and Oates J. A. Effect of prostaglandin in endoperoxides and metabolites on bone resorption *in vivo*, **267,** 532

Rajan R. S., Brownlee D. E., Tomandl D., Hodge P. W., Farrar H. IV and Britten R. A. Detection of ^3He in stratospheric particles gives evidence of extraterrestrial origin, **267,** 133

Ramachandran K. *see under* Verma I. C., **267,** 729

Ramalingaswami V. *see under* Verma I. C., **267,** 729

Ramshaw I. A., and Eidinger D. T-cell mediated immunity towards antigen(s) on isologous erythrocytes, **267,** 441

Ramwell P. W. *see under* Bolger P. M., **267,** 628

Rannie G. H., Smith M. E. and Ford W. L. Lymphocyte migration into cell-mediated immune lesions is inhibited by trypsin, **267,** 520

Rapp F. *see under* Gupta P., **267,** 254

Rapp L. M. and Williams T. P. Rhodopsin content and electroretinographic sensitivity in light-damaged rat retina, **267,** 835

Rastogi R. G. *see under* Deshpande M. R., **267,** 599

Raybould C. C., Unsworth M. H. and Gregory P. J. Sources of sulphur in rain collected below a wheat canopy, **267,** 146

Rechler M. M. *see under* Todaro G. J., **267,** 526

Reddy B. S. *see under* Saenger W., **267,** 225

Redfearn J. Danger: men at work, *news*, **267,** 300

Rees D. A., Lloyd C. W. and Thom D. Control of grip and stick in cell adhesion through lateral relationships of membrane glycoproteins, **267,** 124

Rees M. J. *see under* Blandford R. D., **267,** 211

Reichel K. *see under* Plattner H., **267,** 702

Reichlin S. *see under* Jackson I. M. D., **267,** 853

Reinsmoen N. L., Friend P. S., Miller W. V., Burgdorf A., Giblett E. R. and Yunis E. J. Inheritance of recombinant HLA–GLO haplotype suggesting the gene sequence, **267,** 276

Reiter P. *see under* McMullen A. I., **267,** 244

Rentzepis P. M. *see under* Sundstrom V., **267,** 645

Revel M. *see under* Yaron M., **267,** 457

Reynolds W. W. *see under* Covert J. B., **267,** 43

Rheuben M. B. *see under* Grinnell A. D., **267,** 866

Rhoades-Brown M. *see under* Jackson D. F., **267,** 593

Ribbink A. J. Cuckoo among Lake Malawi cichlid fish, **267,** 243

Rich A. *see under* Kronenberg H. M., **267,** 804

Richards K., Jonard G., Guilley H. and Keith G. Leader sequence of 71 nucleotides devoid of G in tobacco mosaic virus RNA, **267,** 548

Richey J. *see under* Tokuda S., **267,** 433

Ride J. P. *see under* Cartwright D., **267,** 511

Robe R. Q., Maier D. C. and Kollmeyer R. C. Iceberg deterioration, **267,** 505

Roberts B. E. *see under* Kronenberg H. M., **267,** 804

Roberts G. K. *see under* Russell C. A., **267,** 564

Robinson T. F. and Winegrad S. Variation of thin filament length in heart muscle, **267,** 74

Robson B. Biological macromolecules: outmoding the rigid view, **267,** 577

Roedder E. Liquid immiscibility in K_2O–FeO–Al_2O_3–SiO_2, *matters arising*, **267,** 558

Roelofs W. L., Gieselmann M. J., Carde A. M., Tashiro H., Moreno D. S., Henrick C. A. and Anderson R. J. Sex pheromone of the California red scale, *Aonidiella aurantii*, **267,** 698

Romick G. *see under* Deehr C., **267,** 135

Rosén A., Gergeley P., Jondal M., Klein G. and Britton S. Polyclonal Ig production after Epstein–Barr virus infection of human lymphocytes *in vitro*, **267,** 52

Rose B., Simpson I. and Lowenstein W. R. Calcium ion produces graded changes in permeability of membrane channels in cell junction, **267,** 625

Rose K. M., Bell L. E. and Jacob S. T. Specific inhibition of chromatin-associated poly(A) synthesis *in vitro* by cordycepin 5′-triphosphate, **267,** 178

Rosenfeld C., Goutner A., Choquet C., Venuat A. M., Kayibanda B., Pico J. L. and Greaves M. F. Phenotypic characterisation of a unique non-T, non-B acute lymphoblastic leukaemia cell line, **267,** 841

Rosenthal A. S., Barcinski M. A. and Blake J. T. Determinant selection is a macrophage dependent immune response gene function, **267,** 156

Rosenwirth B. and Eggers H. J. Echovirus 12-induced host cell shutoff is prevented by rhodanine, **267,** 370

Ross D., Johnson M. and Bunge R. Development of cholinergic characteristics in adrenergic neurones is age dependent, **267,** 536

Ross P. Jr and Crews D. Influence of the seminal plug on mating behaviour in the garter snake, **267,** 344

Rossi G. B., Matarese G. P., Grappelli C., Belardelli F. and Benedetto A. Interferon inhibits dimethyl sulphoxide-induced erythroid differentiation of Friend Leukaemia cells, **267,** 50

Roth G. S. *see under* Schocken D. D., **267,** 856

Rougeon F. *see under* Kourilsky P., **267,** 637

Rozengurt E., Stein W. D. and Wigglesworth N. M. Uptake of nucleosides in density-inhibited cultures of 3T3 cells, **267,** 442

Rush R. A. *see under* Blessing W. W., **267,** 368

Russell I. J. and Sellick P. M. Tuning properties of cochlear hair cells, **267,** 858

Russell R. G. G. *see under* Best L. C., **267,** 850

Rutter W. J. *see under* Valenzuela P., **267,** 641

Ryan B. *see under* Barton J. M., **267,** 487

Rycroft M. J. The plasmapause revisited, *news and views*, **267,** 671

Ryle M. Economics of alternative energy sources, *review article*, **267,** 111

Saenger W., Reddy B. S., Muhlegger M. and Weimann G. X-ray study of the lithium complex of NAD^+, **267,** 225

Samson L. and Cairn sJ. A new pathway for DNA repair in *Escherichia coli*, **267,** 281

Sanford P. W. *see under* White N. E., **267,** 229

Sasada Y. *see under* Ohashi Y., **267,** 142

Saum W. R. *see under* Kunze D. L., **267,** 75

Saunders J. R. Transcriptional control of fertility, *news and views*, **267,** 314

Saunders N. R. *see under* Mollgard K., **267,** 183

Schäfer W. *see under* de Noronha F., **267,** 54

Schiering W. *see under* Pichler H., **267,** 819

Schmidt T. J. *see under* Aronson J. L., **267,** 323

Schocken D. D. and Roth G. S. Reduced beta-adrenergic receptor concentrations in ageing man, **267,** 856

Scholz C. H. A physical interpretation of the Haicheng earthquake prediction, **267,** 121

Schreier P. H., Davies R. W., Buchell D. E., Gronenborn G., Fanning T. G., von Wilcken B. and Messing J. Precise location of the crossover region in the gamma attachment sequence, **267,** 555

Schwab W. E. Electrical responses of *Stomotaca atra* induced by an extract of *Aequorea aequorea*, **267,** 701

Scott D. P. D. Implications of the Third United Nations Conference on the Law of the Sea for marine scientific research, **267,** 762

Scriba M. Extraneural localisation of herpes simplex virus in latently infected guinea pigs, **267,** 529

Seigler D. *see under* Simpson B. B., **267,** 150

Sellick P. M. *see under* Russell I. J., **267,** 858

Serlemitsos P. J. *see under* Lewin W. H. G., **267,** 28

Sethia G. *see under* Deshpande M. R., **267,** 599

Seyberth H. W. *see under* Raisz L. G., **267,** 532

Sharma B., Tubergen D. G., Minden P. and Brunda M. J. *In vitro* immunisation against human tumour cells with bacterial extracts, **267,** 845

Shea P. T. *see under* Bolger P. M., **267,** 628

Sherwell C. Europe's pollution politics, *news*, **267,** 2
Plain-clothes science, *news*, **267,** 296

Shieh H. S., Hoard L. G. and Nordman C. E. Crystal structure of anhydrous cholesterol, **267,** 287

Shields R. Growth hormones and serum factors, *news and views*, **267,** 308
Transition probability and the origin of variation in the cell cycle, **267,** 704

Shier W. T. *see under* Lockwood T. D., **267,** 252

Shilo B., Shilo V. and Simchen G. Transition probability and cell-cycle initiation in yeast — Reply, *matters arising*, **267,** 648

Shilo V. *see under* Shilo B., **267,** 648

Shimeoni T. *see under* Nevo E., **267,** 699

Shimoni Y., Alnaes E. and Rahamimoff R. Is hyperosmotic neurosecretion from motor nerve endings a calcium-dependent process? **267,** 170

Signer E. R. *see under* Ludwig R. A., **267,** 245

Silsbury J. H. Energy requirement for symbiotic nitrogen fixation, **267,** 149

Simchen G. *see under* Shilo B., **267,** 648

Simmonds S. J. *see under* Mason D. W., **267,** 440

Simmons H. A. *see under* Raisz L. G., **267,** 532

Simoneit B. R. T., Chester R. and Eglinton G. Biogenic lipids in particulates from the lower atmosphere over the eastern Atlantic, **267,** 682
Simpson B. B., Neff J. L. and Seigler D. *Krameria* free fatty acids and oil-collecting bees, **267,** 150
Simpson E. *see under* Goldsby R. A., **267,** 707
Simpson I. *see under* Rose B., **267,** 625
Sinclair A. R. E. Lunar cycle and timing of mating season in Serengeti wildebeest, **267,** 832
Singh M. *see under* Deshpande M. R., **267,** 599
Sivaramakrishnan T. R. *see under* Mukherjee A. K., **267,** 236
Skehel J. J. *see under* Zweerink H. J., **267,** 354
Skyrabin K. G. *see under* Maxam A. M., **267,** 643
Slotkoff L. M. *see under* Bolger P. M., **267,** 628
Smalley I. J. Origin of North China Loess, *news and views,* **267,** 484
Smith A. E. *see under* Carrasco L., **267,** 376
Smith C. J. *see under* Allen J. C., **267,** 623
Smith G. A. *see under* Hesketh T. R., **267,** 490
Smith K. A., Crabtree G. R., Kennedy S. J. and Munck A. U. Glucocorticoid receptors and glucocorticoid sensitivity of mitogen stimulated and unstimulated human lymphocytes, **267,** 523
Smith M. E. *see under* Rannie G. H., **267,** 520
Smith M. H. *see under* Corbin R. G., **267,** 32
Smith P. A. and Weight F. F. Role of electrogenic sodium pump in slow synaptic inhibition is re-evaluated, **267,** 68
Smith P. J. Heat flow at the mantle surface, *news and views,* **267,** 110
How aseismic ridges behave, *news and views,* **267,** 14
Microtubes, *news and views,* **267,** 310
Migration of a spreading axis, *news and views,* **267,** 669
Smith R. *see under* McLaren A., **267,** 351
Snyder S. H. *see under* Enna S. J., **267,** 184
Soderhall K. *see under* Unestam T., **267,** 45
Spalding R. E. *see under* Laros J. G., **267,** 131
Sparks S. R. J., Sigurdsson H. and Wilson L. Magma mixing: a mechanism for triggering acid explosive eruptions, **267,** 315
Speaker M. G., and Butcher F. R. Cyclic nucleotide fluctuations during steroid induced meiotic maturation of frog oocytes, **267,** 848
Spector R. M. *see under* Moazed C., **267,** 818
Spencer M. DNA-protein interactions, *news and views,* **267,** 579
New twists in bacterial flagella, *news and views,* **267,** 15
Sporn M. B. *see under* Moon R. C., **267,** 620
Sprague K. U., Steitz J. A., Grenley R. M. and Stocking C. E. 3′ Terminal sequences of 16S rRNA do not explain translational specificity differences between *E. coli* and *B. stearothermophilus* ribosomes, **267,** 462
Spurgeon D. Spreading the word, *news,* **267,** 4
Squire J. Assembly and force generation in contractile systems, *news and views,* **267,** 753
Stanfield P. R. *see under* Gay L. A., **267,** 169
Stannard D. *see under* Davis R. J., **267,** 596
Stein W. D. *see under* Rozengurt E., **267,** 442
Steinacker A. Calcium-dependent presynaptic action of substance P at the frog neuromuscular junction, **267,** 268
Steitz J. A. *see under* Sprague K. U., **267,** 462
Stenhouse M. J. and Baxter M. S. Bomb ^{14}C and human radiation burden, **267,** 825
Stenhouse M. J. and Baxter M. S. Bomb ^{14}C as a biological tracer, **267,** 828
Stern P. L. Surface antigens specified by the *T/t* locus, *news and views,* **267,** 668
Stevenson D. E. *see under* Bedford C. T., **267,** 335
Stocking C. E. *see under* Sprague K. U., **267,** 462
Stollar B. D. and Borrel Y. Nucleoside-specific tolerance suppresses anti-nucleoside antibody forming cells, **267,** 158
Stricker E. M., Zimmerman M. B., Friedman M. I. and Zigmond M. J. Caffeine restores feeding response to 2-deoxy-D-glucose in 6-hydroxydopamine-treated rats, **267,** 174
Stromberg I. M. *see under* Corbin R. G., **267,** 32
Stubbs G., Warren S. and Holmes K. Structure of RNA and RNA binding site in tobacco mosaic virus from 4-Å map calculated from X-ray fibre diagrams, **267,** 216
Subbarao B. S. *see under* Deshpande M. R., **267,** 599
Subirana J. A. and Puigjaner L. C. Circular superhelical DNA, *matters arising,* **267,** 727
Sugino Y. *see under* Yutani K., **267,** 274
Sundaram K. Down's syndrome in Kerala, *matters arising,* **267,** 728
Sundstrom V., Rentzepis P. M., Peters K. and Applebury M. L. Kinetics of rhodopsin at room temperature measured by picosecond spectroscopy, **267,** 645
Sung M. T. *see under* Lischwe M. A., **267,** 552
Sutherland R., Mester J. and Baulieu E.-E. Tamoxifen is a potent 'pure' anti-oestrogen in chick oviduct, **267,** 434
Swank J. H. *see under* Lewin W. H. G., **267,** 28
Swenarchuk L. *see under* Montgomery A., **267,** 167
Switsur V. R. *see under* Hammond N., **267,** 608
Szekely M. *see under* Johnson B., **267,** 550
Sequencing DNA, *news and views,* **267,** 104
Tademaru E. *see under* Helfand D. J., **267,** 130
Taieb M. *see under* Aronson J. L., **267,** 323
Takeda N. Stimulation of egg-laying by nerve extracts in slugs, **267,** 513
Talmon Y. and Prager S. Statistical mechanics of microemulsions, **267,** 333
Tan Y. H. *see under* Cupples C. G., **267,** 165
Tanaka T. *see under* Masuda A., **267,** 231
Tan-Maas M. *see under* de Blok J. W., **267,** 558
Tashiro H. *see under* Roelofs W. L., **267,** 698
Teichberg V. I., Sobel A. and Changeux J-P. *In vitro* phosphorylation of the acetylcholine receptor, **267** 540
Teitelbaum H. Cross-tolerance between morphine and cholinergic blocking agents microinjected into anterior amygdala, **267,** 452
Tetenyi P. *see under* Paal Z., **267,** 234
Thacker J. *see under* Cox R., **267,** 425
Thom D. *see under* Rees D. A., **267,** 124
Thomas L. Positive ions in the stratosphere, *news and views,* **267,** 109
Thomas R. M., Duldig M. L. and Greenhill J. G. Spectral variability in X-ray sources, **267,** 332
Thompson K., Grime J. P. and Mason G. Seed germination in response to diurnal fluctuations of temperature, **267,** 147
Thornes J. B. and Brunsden D. Geomorphology and Time, *book review by* Beckinsale R. P., **267,** 652
Thrush B. A. *see under* Burrows J. P., **267,** 233
Tiercelin J. J. *see under* Aronson J. L., **267,** 323
Tinker P. B. *see under* Black R. L. B., **267,** 510
Tischler A. *see under* Biales B., **267,** 172
Tizard R. *see under* Maxam A. M., **267,** 643
Todaro G. J., De Larco J. E., Nissley S. P. and Rechler M. M. MSA and EGF receptors on sarcoma virus transformed cells and human fibrosarcoma cells in culture, **267,** 526
Tokuda S., Arrington T., Goldberg E. H. and Richey J. Simpler technique for serological detection of H–Y antigen on mouse lymphocytes, **267,** 433
Tolmach L. J. *see under* Li G. C., **267,** 163
Tomandl D. *see under* Rajan R. S., **267,** 133
Tompson R. and Berglund B. The Late Weichselian geomagnetic event — Reply, *matters arising,* **267,** 181
Toverud S. U. *see under* Boass A., **267,** 630
Tovey M. G., Begon-Lours J., Gresser I. and Morris A. G. Marked enhancement of interferon production in 5-bromodeoxyuridine treated human lymphoblastoid cells, **267,** 455
Travis B. *see under* Epstein C. J., **267,** 615
Trenbeth K. E. Southern oscillation index and atmospheric carbon dioxide, *matters arising,* **267,** 650
Trethewey K. R. *see under* Beddard G. S., **267,** 373
Treves A. *see under* Maraschi L., **267,** 815
Trissl H. W. *see under* Montal M., **267,** 221
Tsafriri A. *see under* Nimrod A., **267,** 632
Tsubota T. *see under* Miyoshi I., **267,** 843
Tubergen D. G. *see under* Sharma B., **267,** 845
Tucker G. *see under* Epstein C. J., **267,** 615
Turnberg L. A. *see under* Corbett C. L., **267,** 714
Turner J. D. and Cottrell G. A. Properties of an identified histamine-containing neurone, **267,** 447
Twumasi D. Y., Liener I., Galdston M. and Levytska V. Activation of human leukocyte elestase by human alpha2-macroglobulin, **267,** 61
Ujiie H. *see under* Ozima M., **267,** 816
Ulrich K. and Nexø B. A. Virus protein p30 in blood predicts development of leukaemia in mice injected with MuLV, **267,** 723
Unestam T. and Soderhall K. Soluble fragments from fungal cell walls elicit defence reactions in crayfish, **267,** 45
Unsworth M. H. *see under* Raybould C. C., **267,** 146
U'Prichard D. C. *see under* Enna S. J., **267,** 184
Urbá-Holmgren R., González R. M. and Holmgren B. Is yawning a cholinergic response? **267,** 261
Vacquier V. D. *see under* Glabe C. G., **267,** 836
Valenzuela P., Bell G. I., Masiarz F. R., De Gennaro L. J. and Rutter W. J. Nucleotide sequence of the yeast 5S ribosomal RNA gene and adjacent putative control regions, **267,** 641
van Doorm J. M. *see under* Muller A. D., **267,** 616
van Gross A. K. *see under* Visser W., **267,** 560
Van Lier J. E., Kan G., Autenrieth D. and Nigam V. N. Steroid–nucleosides possible novel agents for cancer chemostherapy, **267,** 522
Varga J. M., Asato N., Lande S. and Lerner A. B. Melanotropin-daunomycin conjugate shows receptor-mediated cytotoxicity in cultured murine melanoma cells, **267,** 56
Varma C. M. Electron-positron flux at the surface of the pulsar in the Crab, **267,** 686
Vats H. O. *see under* Deshpande M. R., **267,** 599
Ventura M. *see under* Bleux C., **267,** 709
Venuat A. M. *see under* Rosenfeld C., **267,** 841
Verma I. C., Kochupillai N., Grewal M. S., Ramachandran K. and Ramalingaswami V. Down's syndrome in Kerala — Reply, *matters arising,* **267,** 729
Visser W. and van Gross A. K. Liquid immiscibility in $K_2O–Al_2O_3–SiO_2$ — Reply, *matters arising,* **267,** 560
Volkman J. K. *see under* Johns R. B., **267,** 693
Volkman J. K. and Johns R. B. The geochemical significance of positional isomers of unsaturated acids from an intertidal zone sediment, **267,** 693
von der Mark H. *see under* von der Mark K., **267,** 531
von der Mark K., Gauss V., von der Mark H. and Muller P. Relationship between cell shape and type of collagen synthesised as chondrocytes lose their cartilage phenotype in culture, **267,** 531
von Wilcken B. *see under* Schreier P. H., **267,** 555
Wagner G. A. Fission-track dating of pumice from the KBS Tuff, East Rudolf, Kenya, *matters arising,* **267,** 649
Wagner G. A. and Carpenter B. S. Liquid nitrogen enhancement of partially annealed fission tracks in glass, *matters arising,* **267,** 182
Walker J. Cathodoluminescence topography, *news and views,* **267,** 13
Walter R. C. *see under* Aronson J. L., **267,** 323
Ward A. P. *see under* Hammond N., **267,** 608
Warren G. B. *see under* Hesketh T. R., **267,** 490
Warren S. *see under* Stubbs G., **267,** 216
Wasserman L. H. *see under* Millis R. L., **267,** 330
Watanabe I. *see under* Itoh Y. H., **267,** 467
Watanabe Y. *see under* Kamata T., **267,** 460
Waterfield A. A. *see under* Lord J. A. H., **267,** 495
Waterfield M. *see under* Koszinowski U., **267,** 160
Weekes T. C. *see under* Porter N. A., **267,** 500
Weight F. F. *see under* Smith P. A., **267,** 68
Weimann G. *see under* Saenger W., **267,** 225
Weinreich D. Synaptic responses mediated by identified histamine-containing neurones, **267,** 854
Weiss R. Oncoviruses and cell membrane antigens, *news and views,* **267,** 13
Vaccination against virus-induced tumours, *news and views,* **267,** 205
Weiss R. F. *see under* Lupton J. E., **267,** 603
Weiss R. F., Lonsdale P., Lupton J. E., Bainbridge A. E. and Craig H. Hydrothermal plumes in the Galapagos Rift, **267,** 600
Wekerle H. *In vitro* induction of immunological memory against testicular autoantigens, **267,** 357
Wendt J. Aragonite in Permian Reefs, **267,** 335
West J. D. *see under* Adler D. A., **267,** 838
Westphal M. Configuration of the magnetic field and reconstruction of Pangaea in the Permian period, **267,** 136
Wheals A. E. Transition probability and cell-cycle initiation in yeast, *matters arising,* **267,** 647
White H. ATP in muscle, *news and views,* **267,** 754
White J. W. *see under* Harley R., **267,** 285
White N. E., Mason K. O. and Sanford P. W. Evidence for a 581-d modulation in the pulse period of 3E0352+30, **267,** 229
White R. A. H. *see under* Mason D. W., **267,** 440
White T. D. Direct detection of depolarisation-induced release of ATP from a synaptosomal preparation, **267,** 67
Whitfield M. New discontinuity in the Atlantic, *news and views,* **267,** 208
Whittaker V. P. *see under* Zimmermann H., **267,** 633
Whyte M. A. Turning points in Phanerozoic history, **267,** 679
Wickramasinghe N. C. *see under* Abadi H., **267,** 687
Wigglesworth N. M. *see under* Rozengurt E., **267,** 442
Wigzell H. *see under* Murgita R. A., **267,** 257
Wiik B. H. New physics and new accelerators in Europe, *news and views,* **267,** 10
Wilkinson P. C. Succinyl bee venom melittin is a leukocyte chemotoctic factor, **267,** 713
Succinyl bee venom melittin is a leukocyte chemotactic factor, **267,** 713
Williams D. A., Boxer L. A., Oliver J. M. and Baehner R. L. Cytoskeletal regulation of concanavalin A capping in pulmonary alveolar macrophages, **267,** 255
Williams G. O. *see under* Munk W. H., **267,** 774
Williams M. A. J., Bishop P. M., Dakin F. M. and Gillespie R. Late Quaternary lake levels in southern Afar and the adjacent Ethiopian Rift, **267,** 690
Williams T. P. *see under* Rapp L. M., **267,** 835
Willis W. J. New accelerators for high energy physics, *news and views,* **267,** 8
Wilson L. *see under* Sparks S. R. J., **267,** 315
Winegrad S. *see under* Robinson T. F., **267,** 74
Wolfe N. L. *see under* Zepp R. G., **267,** 421
Wolff T. Diversity and faunal composition of the deep-sea benthos, **267,** 780
Wright R. *see under* Hsü K. J., **267,** 399
Wsigurdsson H. *see under* Sparks S. R. J., **267,** 315
Yajima S. and Omori M. State of iron in glass-like carbon prepared by heat treatment of ferrocene resin, **267,** 823
Yaron I. *see under* Yaron M., **267,** 457
Yaron M., Yaron I., Gurari-Rotman D., Revel M., Lindner H. R. and Zor U. Stimulation of prostaglandin E production in cultures human fibroblasts by poly(I)·poly(C) and human interferon, **267,** 457
Yasunaka K. *see under* Amako K., **267,** 862
Young I. J., Knights B. A. and Hillman J. R. Oestradiol and its biosynthesis in *Phascolus vulgaris* L., **267,** 429
Yunis E. J. *see under* Reinsmoen N. L., **267,** 276
Yutani K., Ogasahara K., Sugino Y. and Matsushiro A. Effect of a single amino acid substitution on stability of conformation of a protein, **267,** 274
Zannoni C. *see under* Luckhurst G. R., **267,** 412
Zepp R. G., Wolfe N. L., Baughman G. L. and Hollis R. C. Singlet oxygen in natural waters, **267,** 421
Zgaga V. Lysogeny by f2 phage? **267,** 860
Zigmond M. J. *see under* Stricker E. M., **267,** 174
Zimmerman M. B. *see under* Stricker E. M., **267,** 174
Zimmermann H. and Whittaker V. P. Morphological and biochemical heterogeneity of cholinergic synaptic vesicles, **267,** 633
Zingg H. H. *see under* Patel Y. C., **267,** 852
Zmuda A. *see under* Gryglewski R. J., **267,** 627
Zor U. *see under* Yaron M., **267,** 457
Zorof E. and Ilani A. Transient pressure changes in Dönnan systems displaced from equilibrium, **267,** 362
Zuckerman A. J. Hepatitis B vaccines, *news and views,* **267,** 578
Zweerink H. J., Courtneidge S. A., Skehel J. J., Crumpton M. J. and Askonas B. J. Cytotoxic T cells kill influenza virus infected cells but do not distinguish between serologically distinct type A viruses, **267,** 354

nature

Author Index for Volume 268

July–August 1977
Numbers 5615–5622
Pages 1–780

Adelstein R. S. *see under* Scordilis S. P., **268,** 558
Aguayo A. J., Kasarjian J., Skamene E., Kongshavn P. and Bray G. M. Myelination of mouse axons by Schwann cells transplanted from normal and abnormal human nerves, **268,** 753
Al-Ani S. *see under* Thompson E. J., **268,** 241
Ambraseys N. N. Long-period effects in the Romanian earthquake of March 1977, **268,** 324
Ananthanarayanan V. S. and Hew C. L. A synthetic polypeptide with antifreeze activity, **268,** 560
Anderson C. R., Cull-Candy S. G. and Miledi R. Potential-dependent transition temperature of ionic channels induced by glutamate in locust muscle, **268,** 663
Anderson J. R. and Howe R. F. Generation of a supported iridium catalyst of extremely high dispersion, **268,** 129
Andrews P. and Tobien H. New Miocene locality in Turkey with evidence on the origin of *Ramapithecus* and *Sivapithecus*, **268,** 699
Arnason A., Larsen B., Marshall W. H., Edwards J. H., Mackintosh P., Olaisen B. and Teisberg P. Very close linkage between HLA-B and Bf inferred from allelic association, **268,** 527
Arnold F. and Krankowsky D. Water vapour concentrations at the mesopause, **268,** 218
Atlas D., Hanski E. and Levitzki A. Eighty thousand beta-adrenoreceptors in a single cell, **268,** 144
Auffret G. A. *see under* Montadert L., **268,** 305
Augustus J., Bijman J., van Os C. H. and Slegers J. F. G. High conductance in an epithelial membrane not due to extracellular shunting, **268,** 657
Bada J. L. *see under* Masters P. M., **268,** 71
Badham J. P. N. and Stanworth C. W. Evaporites from the lower Proterozoic of the East Arm, Great Slave Lake, **268,** 516
Bailey J., Borer K., Combley F., Drumm H., Krienen F., Lange F., Picasso E., von Ruden W., Farley F. J. M., Field J. H., Flegel W. and Hattersley P. M. Measurements of relativistic time dilation for positive and negative muons in a circular orbit, **268,** 301
Baker C. R. B. *see under* Hull R., **268,** 402
Baker D. J. Mr, Nowlin W. D. Jr, Pillsbury R. D. and Bryden H. L. Antarctic circumpolar current: space and time fluctuations in the Drake Passage, **268,** 696
Baldissera F. and Campadelli P. How motoneurones control development of muscle tension, **268,** 146
Baltimore D. *see under* Pettersson R. F., **268,** 270
Banerjee S. P., Kung L. S., Riggi S. J. and Chanda S. K. Development of beta-adrenergic receptor subsensitivity by antidepressants, **268,** 455
Banfalvi Z. *see under* Kondorosi A., **268,** 525
Barbieri C., Romano G., di Serego S. and Zambon M. The optical variability of 3C345, **268,** 318
Barker C. R. *see under* Burns G. F., **268,** 243
Barnes R. A. Sulphur deposit account, *news*, **268,** 92
Barry D. C. Relation between metallicity and multiplicity for solar type stars, **268,** 509
Barry R. D. *see under* Spooner L. L. R., **268,** 650
Bartell L. S. and Johnson R. D. Molecular images by electron-wave holography, **268,** 707
Bartholomew J. C. *see under* Teng M-H., **268,** 739
Bartis F. J. Pre-melting near crystal dislocations, **268,** 427
Barton S. B. and Cohen I. S. Are transmitter release statistics meaningful? **268,** 267
Bash F. N. *see under* Wheeler J. C., **268,** 706
Bates D. L., Danson M. J., Hale G., Hooper E. A. and Perham R. N. Self-assembly and catalytic activity of the pyruvate dehydrogenase multienzyme complex of *Escherichia coli*, **268,** 313
Bauer W. *see under* Roemer D., **268,** 547
Beaugé L. A. and Glynn I. M. A mofifier of (Na +K) ATPase in commercial ATP, **268,** 355
Beers G. V. *see under* Thompson E. J., **268,** 241
Bell G. U-shaped gene frequency distributions, *matters arising*, **268,** 374
Benemann J. R., Weissman J. C., Koopman B. L. and Oswald W. J. Energy production by microbial photosynthesis, *review article*, **268,** 19
Ben-Hur E. *see under* Heimer Y. M., **268,** 170
Benjamin P. R. *see under* Winlow W., **268,** 263
Bettany B. W. *see under* Murlis J., **268,** 433
Bevan E. A. *see under* Herring A. J., **268,** 464
Bibb M. J. *see under* Hopwood D. A., **268,** 171
Bijman J. *see under* Augustus J., **268,** 657
Birdwell C. R., Gospodarowicz D. and Nicolson G. L. Factors from 3T3 cells stimulate proliferation of cultured vascular endothelial cells, **268,** 528
Bischoff A. *see under* Meier C., **268,** 177
Bishop J. O. Lampbrush chromosomes brought up to date, *news and views*, **268,** 588
Bissell M. J. *see under* Teng M-H., **268,** 739
Bjorseth A. *see under* Lunde G., **268,** 518
Blake C. C. F. Towards some enzyme mechanisms, *news and views*, **268,** 485
Blake C. C. F. and Oatley S. J. Protein–DNA and protein–hormone interactions in prealbumin: a model of the thyroid hormone nuclear receptor? **268,** 115
Blythe C. and Rush H. What kind of food policy? *news*, **268,** 386
Bobek B. Summer food as the factor limiting roe deer population size, **268,** 47
Bock W. *see under* Montadert L., **268,** 305
Bollenbacher W. E., Smith S. L., Wielgus J. J. and Gilbert L. I. Evidence for an alpha-ecdysone cytochrome P-450 mixed function oxidase in insect fat body mitochondria, **268,** 660
Bolwell G. P., Callow J. A., Callow M. E. and Evans L. V. Cross-fertilisation in fucoid seaweeds, **268,** 626
Borer K. *see under* Bailey J., **268,** 301
Borys R. D. *see under* Rahn K. A., **268,** 713
Botley C. M. *see under* Edwards O., **268,** 565
Bradford P. M. *see under* Case B., **268,** 223
Braizer L. *see under* Skirball L. R., **268,** 352
Brandt K. *see under* Mattsson H., **268,** 52
Branton D. *see under* Fowler V., **268,** 23
Brasier M. D. An early Cambrian chert biota and its implications, **268,** 719
Bray G. M. *see under* Aguayo A. J., **268,** 753
Brennan B. J. and Stacey F. D. Frequency dependence of elasticity of rock — test of seismic velocity dispersion, **268,** 220
Brewers J. M. and Yeats P. AL Oceanic residence times of trace metals, **268,** 595
Brice K. A., Eggleton A. E. J. an Penkett S. A. An important ground surface sink for atmospheric nitrous oxide, **268,** 127
Briggs P. L. and Press F. Pattern recognition applied to uranium prospecting, **268,** 125
Brittenham G. Genetic model for observed distributions of proportions of haemoglobin in sickle-cell trait, **268,** 635
Britton G., Lockley W. J. S., Powls R., Goodwin T. W. and Heyes L. M. Carotenoid transformations during chloroplast development in *Scenedesmus obliquus* PG1 demonstrated by deuterium labelling, **268,** 81
Brodie E. D. Hedgehogs use toad venom in their own defence, **268,** 627
Bronchart R. and Demoulin V. Unusual mitosis in the red alga *Porphyridium purpureum*, **268,** 80
Brostoff S. W., Levit S. and Powers J. M. Induction of experimental allergic neuritis with a peptide from myelin P_2 basic protein, **268,** 752
Brown A., Nevo E. and Zohary D. Association of alleles at esterase loci in wild barley *Hordeum spontaneum* L., **268,** 430
Brown F. *see under* Sangar D. V., **268,** 648
Brown J. *see under* Lubs H. A., **268,** 631
Brown J. C. and Hughes D. W. Tunguska's comet and non-thermal ^{14}C production in the atmosphere, **268,** 512
Brown R. E. *see under* Hovanessian A. G., **268,** 537
see under Kerr I. M., **268,** 540
Bruckenstein S. Physicochemical hydrodynamics, *news and views*, **268,** 298
Bryden H. L. *see under* Baker D. J. Jr, **268,** 696
Brzezinski W. *see under* Kaminiski M., **268,** 238
Buescher H. H. *see under* Roemer D., **268,** 547
Bunn Moreno M. M. *see under* Sanderson C. J., **268,** 340
Burford R. O. Bimodal distribution of creep event amplitudes on the San Andreas fault, California, **268,** 424
Burness A. T. H. *see under* Enegren B. J., **268,** 536
Burns G. F., Nash A. A., Worman C. P., Barker C. R., Hayhoe F. G. J. and Cawley J. C. A human leukaemic cell expressing hybrid membrane phenotypes, **268,** 243
Byus C. V., Klimpel G. R., Lucas D. O. and Russell D. H. Type I and type II cyclic AMP-dependent protein kinase as opposite effectors of lymphocyte mitogenesis, **268,** 63
Cadogan P. H. Palaeoatmospheric argon in Rhynie chert, **268,** 38
Cafruny W. *see under* Senitzer D., **268,** 158
Cain W. S. Bilateral interaction in olfaction, **268,** 50
Callow J. A. *see under* Bolwell G. P., **268,** 626
Callow M. E. *see under* Bolwell G. P., **268,** 626
Calvert P. NMR of macromolecules, **268,** 105
Calvert P. D. Stresses at spherulite boundaries, **268,** 321
Cameron D. J. and Erlanger B. F. Evidence for multispecificity of antibody molecules, **268,** 763
Campadelli P. *see under* Baldissera F., **268,** 146
Campbell S. *see under* Edwards O., **268,** 565
Cardinaux F. *see under* Roemer D., **268,** 547
Carney D. H. and Cunningham D. D. Initiation of chick cell division by trypsin action at the cell surface, **268,** 602
Carpenter R. G. and Emery J. L. Final results of study of infants at risk of sudden death, **268,** 724
Casanova J. *see under* Samuels H. H., **268,** 254
Case B., Bradford P. M. and Garbett K. Silicate and the aqueous corrosion of a high-magnesium alloy, **268,** 223
Cawley J. C. *see under* Burns G. F., **268,** 243
Chanda S. K. *see under* Banerjee S. P., **268,** 455
Chandler D. E. and Williams J. A. Fluorescent probe detects redistribution of cell calcium during stimulus–secretion coupling, **268,** 659
Chang S. Y. *see under* Hughes M. R., **268,** 347
Chapman C. S. *see under* Tobe S. S., **268,** 728
Chapman H. J. and Moorbath S. Lead isotope measurements from the oldest recognised Lewisian gneisses of north-west Scotland, **268,** 41
Chou J. Y., Robinson J. C. and Wang S-S. Effects of sodium butyrate on synthesis on human chorionic gonadotrophin in trophoblastic and non-trophoblastic tumours, **268,** 543
Christensen I. P. and Gregory A. H. Further study of an auditory illusion, **268,** 630
Chutna J. *see under* Hasek M., **268,** 68
Cifelli R. Atlantic palaeotemperatures during the Cainozoic — Reply, *matters arising*, **268,** 374
Clark G. W. *see under* Rappaport S., **268,** 705
Clarke C. A. *see under* Marsh N. A., **268,** 726
Clarke P. G. H. *see under* Ramachandran V. S., **268,** 333
Closse A. *see under* Roemer D., **268,** 547
Coe M. J., Engel A. R., Quenby J. J. and Dyer C. S. A line feature at 64 keV in the X-ray spectrum of Her X-1, **268,** 508
Coffino P. *see under* Gehring U., **268,** 167
Cogne J. *see under* Peucat J. J., **268,** 131
Cohen I. S. *see under* Barton S. B., **268,** 267
Cohen L. B. *see under* Grinvald A., **268,** 140
Cohen M. H., Kellermann K. I., Shaffer D. B., Linfield R. P., Moffet A. T., Romney J. D., Seielstad G. A., Pauliny-Toth I. I. K., Preuss E., Witzel A., Schilizzi R. T. and Geldzahler B. J. Radio sources with superluminal velocities, *review article*, **268,** 405
Cohen S. N. *see under* Hopwood D. A., **268,** 171
Collis P. S. *see under* Weeks D. P., **268,** 667
Combley F. *see under* Bailey J., **268,** 301
Comfurius P. *see under* Zwaal R. F. A., **268,** 358
Cook P. J. Loss of boron from shells during weathering and possible implications for the determination of palaeosalinity, **268,** 426
Cope J. C. W. An Ediacara-type fauna from South Wales, **268,** 624
Corley R. B. *see under* Kindred B., **268,** 531
Corsaro C. M. and Migeon B. R. Contact-mediated communication of ouabain resistance in mammalian cells in culture, **268,** 737
Costa E. *see under* Fratta W., **268,** 452
Cowie R. J. Optin al foraging in great tits *(Parus major)*, **268,** 137
Coy D. H. *see under* Cusan L., **268,** 544
Coyne G. V. *see under* Hubbard W. B., **268,** 33
Crystal R. G. *see under* Hance A. J., **268,** 152
Cull-Candy S. G. *see under* Anderson C. R., **268,** 663
Cunningham D. D. *see under* Carney D. H., **268,** 602
Curtis D. R. *see under* Krogsgaard-Larsen P., **268,** 53
Cusan L., Dupont A., Kledzik G. S., Labrie F., Coy D. H. and Schally A. V. Potent prolactin and growth hormone releasing activity of more analogues of Met-enkephalin, **268,** 544
Dams L. *see under* Dams M., **268,** 228
Dams M. and Dams L. Spanish rock art depicting honey gathering during the Mesolithic, **268,** 228
Danson M. J. *see under* Bates D. L., **268,** 313
Darling J. L. *see under* Gaborak M., **268,** 339
Darmon M. *see under* Klein C., **268,** 76
Das Y. T. and Gupta A. P. Nature and precursors of juvenile hormone-induced excessive cuticular melanisation in German cockroach, **268,** 139
Davies J. and Dray A. Substance P and opiate receptors, **268,** 351
Davies P. C. W. Experimenting with controlled gravity, *news and views*, **268,** 397
Davis H. T. *see under* Larson R. G., **268,** 409
Dawson P. *see under* Wild A. E., **268,** 443
de Caro G. *see under* Evered M. D., **268,** 332
de Deckere E. A. M., Nugteren D. H. and Hoor F. T. Prostacyclin is the major prostaglandin released from the isolated perfused rabbit and rat heart, **268,** 160
De Weer P. *see under* Kennedy B. G., **268,** 165
Delibrias G. *see under* Talbot M. R., **268,** 722
Del Fiacco M. *see under* Di Chiara G., **268,** 743
Demoulin V. *see under* Bronchart R., **268,** 80
Dennis M. J. *see under* Sargent P. B., **268,** 456
Dermott E. *see under* Thorne H. V., **268,** 345
Deshpande M. R., Vats H. O., Sethia G. and Murthy B. S. Daytime inosphere scintillation associated with geomagnetic storms, **268,** 614
DeSombre E. R. *see under* Lyttle C. R., **268,** 337
Detjen B. *see under* Nomoto A., **268,** 208
Devlin J. C., Dyson P. L. and Hammer P. R. Small-amplitude, short-period waves in the E and F regions of the ionosphere, **268,** 319
Dhondt A. A. Interspecific competition between great and blue tit, **268,** 521
Di Chiara G., Olianas M., Del Fiacco M., Spano P. F. and Tagliamonte A. Intranigral kainic acid is evidence that nigral non-dopaminergic neurones control posture, **268,** 743
di Serego S. *see under* Barbieri C., **268,** 318
Dichter M. A., Tischler A. S. and Greene L. A. Nerve growth factor-induced increase in electrical excitability and acetylcholine sensitivity of a rat pheochromocytoma cell line, **268,** 501
Dingle R. V. and Scutton R. A. Continental margin fault pattern mapped south-west of Ireland, **268,** 720
Ditta G., Soderberg K. and Scheffler I. E. Chinese hamster cell mutant with defective mitochondrial protein synthesis, **268,** 64
Dorsch S. E. *see under* Hall B. M., **268,** 532
Douzou P., Debey P. and Franks F. Enzymology in supercooled water, **268,** 466
Dower R. *see under* Rappaport S., **268,** 705
Doxsey R. *see under* Rappaport S., **268,** 705
Dray A. *see under* Davies J., **268,** 351
Dretchen K. L. *see under* Skirboll L. R., **268,** 352
Drumm H. *see under* Bailey J., **268,** 301
Dubois E. L. *see under* Gardner M. B., **268,** 341
Dudley R. K. *see under* Lamb C. J., **268,** 692
Dunne J. J. *see under* Milner A. D., **268,** 175
DuPeuble P. A. *see under* Montadert L., **268,** 305
Dupont A. *see under* Cusan L., **268,** 544
Dyer C. S. *see under* Coe M. J., **268,** 508
Dyson P. L. *see under* Devlin J. C., **268,** 319
Earnshaw W. C. and Harrison S. C. DNA arrangement in isometric phage heads, **268,** 598
Eckert R. Genes, channels and membrane currents in *Paramecium*, **268,** 104
Edwards J. H. *see under* Arnason A., **268,** 527
Edwards O., Campbell S., Botley C. M., Flores N. R., Palmer T. J. and Hulse E. V. The Star of Bethlehem, *matters arising*, **268,** 565
Eggleton A. E. J. *see under* Brice K. A., **268,** 127

Ekins R. P. *see under* Marshall N. J., **268,** 58
Elder M. G. *see under* Myatt L., **268,** 159
Ellis R. A., Goertemiller C. C. Jr and Stetson D. L. Significance of extensive 'leaky' cell junctions in the avian salt gland, **268,** 555
Ellis R. H. *see under* Roberts E. H., **268,** 431
Emery J. L. *see under* Carpenter R. G., **268,** 724
Emley E. F. Magnesium and energy, *news and views,* **268,** 299
Endo T., Kuwahara A., Tasai H., Murata T., Hashimoto M. and Ishigami T. Intermolecular association and geometrical shape as two factors controlling chemical reactions, **268,** 74
Enegren B. J. and Burness A. T. H. Chemical structure of attachment sites for viruses on human erythrocytes, **268,** 536
Engel A. R. *see under* Coe M. J., **268,** 508
Eriksson A. J. Video tape recording of a possible ball lightning event, **268,** 35
Erlanger B. F. *see under* Cameron D. J., **268,** 763
Estridge M. Polypeptides similar to the alpha and beta subunits of tubulin are exposed on the neuronal surface, **268,** 60
Evans L. V. *see under* Bolwell G. P., **268,** 626
Evered M. D., Fitzsimmons J. T. and de Caro G. Drinking behaviour induced by intoacranial injections of eledoisin and substance P in pigeon, **268,** 332
Everitt B. J. *see under* Tye N. C., **268,** 741
Evgen'ev M., Levine A. and Gubenko I. Are late replicating regions in polytene chromosomes of *Drosophila* enriched by repeated nucleotide sequences? **268,** 766
Fabian A. C. X-ray bursts from dense clouds, **268,** 607
Fairbridge R. W. and Hillaire-Marcel C. An 8-000-yr palaeoclimatic record of the 'Double-Hale' 45-yr solar cycle, **268,** 413
Farley F. J. M. *see under* Bailey J., **268,** 301
Ferenczy L. and Maráz A. Transfer of mitochondria by protoplast fusion in *Saccharomyces cerevisiae,* **268,** 524
Fesenko E. E. and Lyubarskiy A. L. Effect of light on artificial lipid membranes modified by photoreceptor membrane fragments, **268,** 562
Field J. H. *see under* Bailey J., **268,** 301
Finch A. P. *see under* Taussig M. J., **268,** 178
Finch R. A. *see under* Paulsen D. F., **268,** 639
Fisher P. R. *see under* Pemberton J. M., **268,** 732
Flanegan J. B. *see under* Pettersson R. F., **268,** 270
Flegel W. *see under* Bailey J., **268,** 301
Flores N. R. *see under* Edwards O., **268,** 565
Florin-Christensen A. *see under* Marshall N. J., **268,** 58
Flowers K. Test of theballistic hypothesis of movement and the 'point of no return', **268,** 174
Flynn G. J. and Loubet M. Superheavy element fission hypothesis in carbonaceous chondrites, **268,** 717
Ford N. C. *see under* Potts R., **268,** 563
Forrai T. *see under* Kondorosi A., **268,** 525
Forsum U. *see under* Klareskog L., **268,** 248
Foster R. B. *Tachigalia versicolor* is a suicidal neotropical tree, **268,** 624
Fournier M. J. *see under* Potts R., **268,** 563
Fowler V. and Branton D. Lateral mobility of human erythrocyte integral membrane proteins, **268,** 23
Fox M. Environmental mutagenesis, *news and views,* **268,** 488
Frangione B. *see under* Levo Y., **268,** 56
Franklin E. C. *see under* Levo Y., **268,** 56
Fraser P. J. Cercal ablation modifies tethered flight behaviour of cockroach, **268,** 523
Fratta W., Yang H.-Y. T., Hong J. and Costa E. Stability of Met-enkephalin content in brain structures of morphine-dependent or foot shock-stressed rats, **268,** 452
Freimer E. H. *see under* Senitzer D., **268,** 158
Fujihira M., Ohishi N. and Osa T. Photocell using covalently-bound dyes on semiconductor surfaces, **268,** 226
Fujisaka M. *see under* Hotta S., **268,** 733
Gaborak M., Darling J. L. and Gutteridge W. E. Comparative drug sensitivities of culture forms of *Trypanosoma cruzi* and *Trypanosoma dionisii,* **268,** 339
Gallardo V. A. Large benthic microbial communities in sulphide biota under Peru–Chile Subsurface Countercurrent, **268,** 331
Galton P. M. The ornithopod dinosaur *Dryosaurus* and a Laurasia-Gondwanaland connection in the Upper Jurassic, **268,** 230
Garbett K. *see under* Case B., **268,** 223
Gardner I. D. *see under* Wing e. j., **268,** 642
Gardner M. B., Ihle J. N., Pillarisetty R. J., Talal N., Dubois E. L. and Levy J. A. Type C virus expression and host response in diet-cured NZB/W mice, **268,** 341
Gaskell W., Illingworth A. J., Latham J. and Moore C. B. Airborne studies of thunderstorm electrification, **268,** 124
Gates M. A. Analysis of positional information applied to cirral patterns of the ciliate *Euplotes,* **268,** 364
Gealt M. A. *see under* Weeks D. P., **268,** 667
Gehrels T. *see under* Hubbard W. B., **268,** 33
Gehring U. and Coffino P. Independent mechanisms of cyclic AMP and glucocorticoid action, **268,** 167
Geldzahler B. J. *see under* Cohen M. H., **268,** 405
Gerald P. *see under* Lubs H. A., **268,** 631
Gerschenfeld H. M. *see under* Piccolino M., **268,** 259
Gerschenfeld H. M. and Piccolino M. Muscarinic antagonists block cone to horizontal cell transmission in turtle retina, **268, 257**
Gesser H. D., Horsfall G. A., Gough K. M. and Krawchuk B. Transport of metal complex chlorides through plastic film membrane, **268,** 323
Gilbert L. I. *see under* Bollenbacher W. E., **268,** 660
Gillis S. and Smith K. A. Long term culture of tumour-specific cytotoxic T cells, **268,** 154
Gilpin E. A. *see under* Ondricek A., **268,** 374
Gilpin M. E. *see under* Ondricek A., **268,** 374
Gingell D. and Todd I. Long range attraction between red cells and hydrocarbon surface, **268,** 767
Gingell D., Todd I. and Parsegian V. A. Long range attraction between red cells and hydrocarbon surface, **268,** 767
Girling M. and Greig J. Palaeoecological investigations of the site at Hampstead Heath, London, **268,** 45
Girton J. R. *see under* Tiong S. Y., **268,** 435
Glynn I. I. *see under* Beaugé L. A., **268,** 355
Goertemiller C. C. Jr. *see under* Ellis R. A., **268,** 555
Goldanskii V. I. Mechanism for formaldehyde polymer formation in interstellar space, **268,** 612
Goodwin T. W. *see under* Britton G., **268,** 81
Gordon A. H. Amyloidosis, P component and complement, *news and views,* **268,** 14
Gospodarowicz D. *see under* Birdwell C. R., **268,** 528
Goto M., Tsuda Y. and Yatani A. Two mechanisms for positive inotropism of low-K Ringer solution in bullfrog *artrium,* **268,** 755
Gough K. M. *see under* Gesser H. D., **268,** 323
Green T. R. Significance of glucose oxidase in lignin degradation, **268,** 78
Greene L. A. *see under* Dichter M. A., **268,** 501
Greene L. A. and Rein G. Synthesis, storage and release of acetylcholine by a noradrenergic pheochromocytoma cell line, **268,** 349
Gregory A. H. *see under* Christensen I. P., **268,** 630
Greig J. *see under* Girling M., **268,** 45
Grinvald A., Salzberg B. M. and Cohen L. B. Simultaneous recording from several neurones in an invertebrate central nervous system, **268,** 140
Gschnait F. *see under* Stingl G., **268,** 245
Gubbins S. J. *see under* Jones M. D. R., **268,** 731
Gubenko I. *see under* Evgen'ev M., **268,** 766
Gupta A. P. *see under* Das Y. T., **268,** 139
Gurdon J. B. *see under* Wyllie A. H., **268,** 150
Guttenplan J. B. Inhibition of L-ascorbate of bacterial mutagenesis induced by two *N*-nitroso compounds, **268,** 368
Gutteridge W. E. *see under* Gaborak M., **268,** 339
Hada H. *see under* Konishi Y., **268,** 709
Hailwood E. A. *see under* Montadert L., **268,** 305
see under Montadert L., **268,** 305
Hale G. *see under* Bates D. L., **268,** 313
Hale L. C. Particulate transport through the mesosphere and stratosphere, **268,** 710
Hall B. M., Roser B. J. and Dorsch S. E. Magnitude of memory to the major histocompatibility complex, **268,** 532
Hall Z. W. and Reiness C. G. Electrical stimulation of denervated muscles reduces incorporation of methionine into the ACh receptor, **268,** 655
Hallam A. Anoxic events in the Cretaceous ocean, *news and views,* **268,** 15
Hamada C. *see under* Hotta S., **268,** 733
Hammer P. R. *see under* Devlin J. C., **268,** 319
Hamp M. *see under* Lefkowitz R. J., **268,** 453
Hance A. J. and Crystal R. G. Rigid control of synthesis of collagen Types I and III by cells in culture, **268,** 152
Harris A. *see under* Soter S., **268,** 421
Harris A. J., Ziskind L. and Wigston D. Spontaneous release of transmitter from 'repressed' nerve terminals in axolotl muscle, **268,** 265
Harris J. M. Palaeomagnetic stratigraphy of the Koobi Fora Formation, east of Lake Turkana (Lake Rudolf), Kenya, *matters arising,* **268,** 669
Harris T. J. R. *see under* Sangar D. V., **268,** 648
Terminal redundancy in avian oncornavirus RNA, **268,** 15
Harrison S. C. *see under* Earnshaw W. C., **268,** 598
Harrison W. *see under* Montadert L., **268,** 305
Harvey R. *see under* Pawson T., **268,** 416
Hasek M., Chutna J., Sladecek M. and Lodin Z. Immunological tolerance and tumour allografts in the brain, **268,** 68
Hashimoto M. *see under* Endo T., **268,** 74
Hashimoto T., Shimada H. and Sakai T. Thermoluminescence from gamma-ray irradiated normal paraffin, **268,** 225
Hatanaka K. *see under* Kitamura Y., **268,** 442
Hattersley P. M. *see under* Bailey J., **268,** 301
Haulet R., Zettwoog P. and Sabroux J. C. Sulphur dioxide discharge from Mount Etna, **268,** 715
Hauser D. *see under* Roemer D., **268,** 547
Haussler M. R. *see under* Hughes M. R., **268,** 347
Haydon D. A., Hendry B. M., Levinson S. R. and Requena J. The molecular mechanisms of anaesthesia, **268,** 556
Hayes P. H. *see under* Tiong S. Y., **268,** 435
Hayhoe F. G. J. *see under* Burns G. F., **268,** 243
Hecht A. D. Geomagnetism and climate, *matters arising,* **268,** 669
Hecht F. *see under* Lubs H. A., **268,** 631
Heertjes P. M. *see under* van Brakel J., **268,** 44
Heilbronn E. *see under* Mattsson H., **268,** 52
Heimer Y. M., Ben-Hur E. and Riklis E. Psoralen and near ultraviolet light: a probe for study of control of protein synthesis, **268,** 170
Hendry B. M. *see under* Haydon D. A., **268,** 356
Henneberry R. C., Smith C. C. and Tallman J. F. Relationship between beta-adrenergic receptors and adenylate cyclase in HeLa cells, **268,** 252
Heptonstall W. B. Plate linkage mechanism to account for oroclinal deformation in the Western Cordillera of North America, **268,** 271
Herberman R. B. *see under* Holden H. T., **268,** 250
Herring A. J. and Bevan E. A. Yeast virus-like particles possess a capsid-associated single-stranded RNA polymerase, **268,** 464
Hew C. L. *see under* Ananthanarayanan V. S., **268,** 560
Heyes L. M. *see under* Britton G., **268,** 81
Hicken A. and Irving E. Tectonic rotation in Western Canada, **268,** 219
Hill R. C. *see under* Roemer D., **268,** 547
Hillaire-Marcel C. *see under* Fairbridge R. W., **268,** 413
Hillhouse J. Palaeomagnetic stratigraphy of the Koobi Fora Formation, east of Lake Turkana (Lake Rudolf), Kenya — Reply, *matters arising,* **268,** 670
Hochstrasser R. M. Ramsey fringes in optical spectroscopy, *news and views,* **268,** 17
Hodgson P. E. Heavy ion transfer reactions, *news and views,* **268,** 18
High-energy nucleus–nucleus collisions, *news and views,* **268,** 690
Pion production in heavy-ion collisions, *news and views,* **268,** 586
Hoffman P. L. and Tabakoff B. Alterations in dopamine receptor sensitivity by chronic ethanol treatment, **268,** 551
Holden H. T. and Herberman R. B. Cytotoxicity against tumour-associated antigens not H–2 restricted, **268,** 250
Home J. M. *see under* Twibell J. D., **268,** 711
Hong J. *see under* Fratta W., **268,** 452
Hooper E. A. *see under* Bates D. L., **268,** 313
Hoor F. T. *see under* de Deckere E. A. M., **268,** 160
Hopwood D. A., Wright H. M., Bibb M. J. and Cohen S. N. Genetic recombination through protoplast fusion in *Streptomyces,* **268,** 171
Horsfall G. A. *see under* Gesser H. D., **268,** 323
Horwitz Z. D. *see under* Samuels H. H., **268,** 254
Hotta S., Kojima M., Fujisaka M., Uchida S., Kuroda H. and Hamada C. An antiviral substance extracted from *Streptococcus faecalis,* **268,** 733
Hovanessian A. G. *see under* Kerr I. M., **268,** 540
Hovanessian A. G., Brown R. E. and Kerr I. M. Synthesis of low molecular weight inhibitor of protein synthesis with enzyme from interferon-treated cells, **268,** 537
Howe R. F. *see under* Anderson J. R., **268,** 129
Hoyle F. and Wickramasinghe N. C. Polysaccharides and infrared spectra of galactic sources, **268,** 610
Hubbard W. B. Wave optics of the central spot in planetary occultations, **268,** 34
Hubbard W. B., Coyne G. V., Gehrels T., Smith B. A. and Zellner B. H. Observations of Uranus occultation events, **268,** 33
Hughes D. W. *see under* Brown J. C., **268,** 512
Mass of Saturn's rings, *news and views,* **268,** 102
The Star of Bethlehem — Reply, *matters arising,* **268,** 566
Visiting Halley's Comet, *news and views,* **268,** 486
Hughes M. R., McCain T. A., Chang S. Y., Haussler M. R., Villareale M. and Wasserman R. H. Presence of 1,25-dihydroxyvitamin D_3-glycoside in the calcinogenic plant *Cestrum diurnum,* **268,** 347
Huguenin R. *see under* Roemer D., **268,** 547
Hull R. and Baker C. R. B. Forecasting in crop protection, *news and views,* **268,** 402
Hulse E. V. *see under* Edwards O., **268,** 565
Hunts S. and Oates K. Intracellular cationic counterion composition of an acid mucopolysaccharide, **268,** 370
Hutchinson R. Meteorite research old and new, *news and views,* **268,** 691
Hutt L. M. *see under* Lemon S. M., **268,** 268
Hutton J. T. Sodium and chloride in rainwater, *matters arising,* **268,** 568
Hydes D. J. Dissolved aluminium concentration in seawater, **268,** 136
Ihle J. N. *see under* Gardner M. B., **268,** 341
Ikushima T. Role of sister chromatid exchanges in chromatid aberration formation, **268,** 235
Illingworth A. J. *see under* Gaskell W., **268,** 124
Ingram V. M. *see under* Riggs M. G., **268,** 462
Irving E.see under Hicken A., **268,** 219
Isaacman R. NP0532 and a hole in the Crab Negula, **268, 317**
Isaacs N. S., Javaid K. and Rannala E. Pressure effects on proton tunnelling, **268,** 372
Ishigami T. *see under* Endo T., **268,** 74
Iversen L. L. *see under* Jessell T. M., **268,** 549
see under Reubi J.-C., **268,** 652
Iversen S. D. *see under* Tye N. C., **268,** 741
Iwatsuki N. and Petersen O. H. Acetylcholine-like effects of intracellular calcium application in pancreatic acinar cells, **268,** 147
Iwazumi T. *see under* Pollack G. H., **268,** 757
Jaffe R. L. Quark confinement, *review article,* **268,** 201
Jakobisiak M. *see under* Kaminski M., **268,** 238
Javaid K. *see under* Isaacs N. S., **268,** 372
Jenkins D. G. Atlantic palaeotemperatures during the Cainozoic, *matters arising,* **268,** 373
Jernigan G. *see under* Rappaport S., **268,** 705
Jessell T. M. *see under* Reubi J.-C., **268,** 652
Jessell T. M. and Iversen L. L. Opiate analgesics inhibit substance P release from rat trigeminal nucleus, **268,** 549
Johnson K. A. *see under* Tyrer N. M., **268,** 759
Johnson R. D. *see under* Bartell L. S., **268,** 707
Johnson-Laird P. N. *see under* Wykes T., **268,** 326
Johnston G. A. R. *see under* Krogsgaard-Larsen P., **268,** 53
Jones K. W. Snake's eye view of Adam and Eve, *news and views,* **268,** 107
Jones M. D. R. and Gubbins S. J. Modification of circadian flight activity in the mosquito *Anopheles gambiae* after insemination, **268,** 731
Jukes T. H. Berkeley women, *news,* **268,** 582

COSPAR in Israel, *news*, **268**, 293

Julian P. R. *see under* Levanon N., **268**, 514

Junkerman W. *see under* Roedel W., **268**, 320

Kagami H. *see under* Montadert L., **268**, 305

Kajii T. and Ohama KM Androgenetic origin of hydatidiform mole, **268**, 633

Kaminska G. *see under* Kaminski M., **268**, 238

Kaminski M., Kaminska G., Jakobisiak M. and Brzezinski W. Inhibition of lymphocyte-induced angiogenesis by isolated chondrocytes, **268**, 238

Kaneoka I. and Ozima M. $^{40}Ar/^{39}Ar$ ages of a diabase sill and a basalt in the Central-Pacific Basin, **268**, 132

Karlsson H. R. *see under* Kristjansson L., **268**, 325

Karplus M. *see under McCammon J. A.*, **268**, 765

Kasarjian J. *see under* Aguayo A. J., **268**, 753

Kaufman J. F. *see under* Springer T. A., **268**, 213

Kawade Y. *see under* Sokawa Y., **268**, 236

Kawakami T. G., Sun L. and McDowell T. S. Infectious primate type-C virus shed by healthy gibbons, **268**, 448

Kay R. F. Diets of early Miocene African hominoids, **268**, 628

Kellermann K. I. *see under* Cohen M. H., **268**, 405

Kellett D. N. *see under* Marsh N. A., **268**, 726

Kelly P. M. Volcanic dust veils and North Atlantic climatic change, **268**, 616

Kelus A. S. *see under* Taussig M. J., **268**, 178

Kennedy B. G. and De Weer P. Relationship between Na : K and Na : Na exchange by the sodium pump of skeletal muscle, **268**, 165

Kerr I. M. *see under* Hovanessian A. G., **268**, 537

Kerr I. M., Brown R. E. and Hovanessian A. G. Nature of inhibitor of cell-free protein synthesis formed in response to interferon and double-stranded RNA, **268**, 540

Kershaw S. *see under* Riding R., **268**, 178

Kimberling W. J. *see under* Lubs H. A., **268**, 631

Kindred B. and Corley R. B. A T cell-replacing factor specific for histocompatibility antigens in mice, **268**, 531

Kinosita K. Jr and Tsong T. Y. Formation and resealing of pores of controlled sizes in human erythrocyte membrane, **268**, 438

Kiss G. B. *see under* Kondorosi A., **268**, 525

Kitamura S. *see under* Sumino K., **268**, 73

Kitamura Y., Shimada M., Hatanaka K. and Miyano Y. Development of mast cells from grafted bone marrow cells in irradiated mice, **268**, 442

Klareskog L., Tjernlund U. M., Forsum U. and Peterson P. A. Epidermal Langerhans cells express Ia antigens, **268**, 248

Kledzik G. S. *see under* Cusan L., **268**, 544

Klein C. and Darmon M. Effects of cyclic AMP pulses on adenylate cyclase and the phosphodiesterase inhibitor of *D. discoideum*, **268**, 76

Klimpel G. R. *see under* Byus C. V., **268**, 63

Knapp W. *see under* Stingl G., **268**, 245

Koch Y. *see under* Okon E., **268**, 445

Kojima M. *see under* Hotta S., **268**, 733

Kondorosi A., Kiss G. B., Forrai T., Vincze E. and Banfalvi Z. Circular linkage map of *Rhizobium meliloti* chromosome, **268**, 525

Kongshavn P. *see under* Aguayo A. J., **268**, 753

Koopman B. L. *see under* Benemann J. R., **268**, 19

Korner M. *see under* Schramm M., **268**, 310

Kornishi Y., Saijo H., Hada H. and Tamura M. Formation of silver mirror by photolysis of thin films of high molecular silver compounds, **268**, 709

Kors K. *see under* Kristjansson L., **268**, 325

Krankowsky D. *see under* Arnold F., **268**, 218

Krawchuk B. *see under* Gesser H. D., **268**, 323

Krebs J. Optimal foraging: theory and experiment, *news and views*, **268**, 583

Krienen F. *see under* Bailey J., **268**, 301

Kristjansson L., Thors K. and Karlsson H. R. Confirmation of central volcanoes off the Icelandic coast, **268**, 325

Krogsgaard-Larsen P., Johnston G. A. R., Lodge D. and Curtis D. R. A new class of GABA agonist, **268**, 53

Kung C. *see under* Oertel D., **268**, 120

Kung L. S. *see under* Banerjee S. P., **268**, 455

Kurki P., Linder E., Virtanen I. and Stenman S. Human smooth muscle autoantibodies reacting with intermediate (100 Å) filaments, **268**, 240

Kuroda H. *see under* Hotta S., **268**, 733

Kuwahara A. *see under* Endo T., **268**, 74

Läuger P. Ion transport and rotation of bacterial flagella, **268**, 360

Labrie F. *see under* Cusan L., **268**, 544

Laegaard S. *see under* Søndergaard M., **268**, 232

Lamb C. J. and Dudley R. K. More light on enzyme control, *news and views*, **268**, 692

Lambert D. H., Spannbauer P. M. and Parsons R. L. Densensitisation does not selectively alter sodium channels, **268**, 553

Landon J. Enzymoimmunoassay: techniques and uses, *news and views*, **268**, 483

Lang F. Synaptic and septate neuromuscular junctions in embryonic lobster muscle, **268**, 458

Lange F. *see under* Bailey J., **268**, 301

Larsen B. *see under* Arnason A., **268**, 527

Larson R. G., Scriven L. E. and Davis H. T. Percolation theory of residual phases in porous media, **268**, 409

Larsson P.-O. *see under* Mattiasson B., **268**, 519

Latham J. *see under* Gaskell W., **268**, 124

Lauder J. M. and Mugnaini E. Early hyperthyroidism alters the distribution of mossy fibres in the rat hippocampus, **268**, 335

Lawton J. H. *see under* Pimm S. L., **268**, 329

Leeder M. R. and Zeidan R. Giant late Jurassic sabkhas of Arabian Tethys, **268**, 42

Lefkowitz R. J. and Hamp M. Comparison of specificity of agonist and antagonist radioligand binding to beta-adrenergic receptors, **268**, 453

Leidner L. *see under* Roedel W., **268**, 320

Lemon S. M., Hutt L. M., Shaw J. E., Li J.-L. H. and Pagano J. S. Replication of EBV in epithelial cells during infectious mononucleosis, **268**, 268

Lesley J. F. and Lennon V. A. Transitory expression of Thy-1 antigen in skeletal muscle development, **268**, 163

Levanon N., Julian P. R. and Suomi V. E. Antarctic topography from balloons, **268**, 514

Levine A. *see under* Evgen'ev M., **268**, 766

Levine L. Chemical carcinogens stimulate canine kidney (MDCK) cells to produce prostaglandins, **268**, 447

Levinson S. R. *see under* Haydon D. A., **268**, 356

Levit S. *see under* Brostoff S. W., **268**, 752

Levy J. A. *see under* Gardner M. B., **268**, 341

Lewis K. E. and O'Day D. H. Sex hormone of *Dictyostelium discoideum* is volatile, **268**, 730

Lewis M. G. *see under* Rowden G., **268**, 247

Li F. *see under* Rappaport S., **268**, 705

Li J.-L. H. *see under* Lemon S. M., **268**, 268

Lindberg S. E. and Turner R. R. Mercury emissions from chlorine-production solid waste deposits, **268**, 133

Linder E. *see under* Kurki P., **268**, 240

Linfield R. P. *see under* Cohen M. H., **268**, 405

Llorens-Cortes C. *see under* Pollard H., **268**, 745

Lockley W. J. S. *see under* Britton G., **268**, 81

Lodge D. *see under* Korgsgaard-Larsen P., **268**, 53

Lodin Z. *see under* Hasek M., **268**, 68

London W. T. Epizootiology, transmission and approach to prevention of fatal simian haemorrhagic fever in rhesus monkeys, **268**, 344

Long A. R. Amorphous semiconductors, *news and views*, **268**, 399

Lopez A. F. *see under* Sanderson C. J., **268**, 340

Loubet M. *see under* Flynn G. J., **268**, 717

Loyd R. M. *see under* Tassava R. A., **268**, 49

Lubs H. A., Kimberling W. J., Hecht F., Patil S. R., Brown J., Gerald P. and Summitt R. L. Racial differences in the frequency of Q and C chromosomal heteromorphisms, **268**, 631

Lucas D. O. *see under* Byus C. V., **268**, 63

Lumsden D. N. *see under* Montadert L., **268**, 305

Lunde G. and Bjorseth A. Polycyclic aromatic hydrocarbons in long-range transported aerosols, **268**, 518

Lyne A. G. and Ritchings R. T. The binary pulsar observed at four radio frequencies, **268**, 606

Lyttle C. R. and DeSombre E. R. Generality of oestrogen stimulation of peroxidase activity in growth-response tissues, **268**, 337

Lyubarskiy A. L. *see under* Fesenko E. E., **268**, 562

Mackintosh P. *see under* Arnason A., **268**, 527

Macnair M. R. Major genes for copper tolerance in *Mimulus guttatus*, **268**, 428

Mahy B. W. J. Reading the tumour virus genome, *news and views*, **268**, 398

Malcolm A. D. B. Binding the *lac* repressor, **268**, 196

Maráz A. *see under* Ferenczy L., **268**, 524

Marsh N. A., Clarke C. A., Rothschild M. and Kellett D. N. *Hypolimnas bolina* (L.) a mimic of danaid butterflies and its model *Euploea core* (Cram.) store cardioactive substances, **268**, 726

Marshall N. J., von Borcke S., Florin-Christensen A. and Ekins R. P. Propranolol increases binding of thyrotropin to thyroid membranes, **268**, 58

Marshall W. H. *see under* Arnason A., **268**, 527

Martin E. S. *see under* Stevens R. A., **268**, 364

Martin G. R. Absolute visual threshold and scotopic spectral sensitivity in the tawny owl *Strix aluco*, **268**, 636

Masters P. M., Bada J. L. and Zigler J. S. Aspartic acid racemisation in the human lens during ageing and in cataract formation, **267**, 71

Matsui T. *see under* Prasad C., **268**, 142

Matthews R. K. *see under* Shackleton N. J., **268**, 618

Mattiasson B., Larsson P.-O. and Mosbach K. The microbe thermistor, **268**, 519

Mattsson H., Brandt K. and Heilbronn E. Bicyclic phosphorus esters increase the cyclic GMP level in rat cerebellum, **268**, 52

May R. M. Caves as islands, *news and views*, **268**, 589
Elephants in Uganda, **268**, 196
Population genetics and cultural inheritance, *news and views*, **268**, 11

McCain T. A. *see under* Hughes M. R., **268**, 347

McCammon J. A. and Karplus M. Internal motions of antibody molecules, **268**, 765

McClellan G. B. and Winegrad S. Membrane control of cardiac contractility, **268**, 261

McDowell T. S. *see under* Kawakami T. G., **268**, 448

McIntosh A. T. *see under* Russell S. W., **268**, 69

Mészáros P., Meyer F. and Pringle J. E. Cyg X-3 gamma rays from a magnetic accretion disk, **268**, 420

Medvedev Z. Soviet genetics: new controversy, *news*, **268**, 285

Meier C. and Bischoff A. Dysmyelination in Jimpy mouse due to astroglial hyperlasia? *matters arising*, **268**, 177

Mellanby K. Acid rain, *news*, **268**, 99
Frugal farming, *news*, **268**, 686
People projections, *news*, **268**, 395
The biter bit, *news*, **268**, 10

Mendlewicz J. and Rainer J. D. Adoption study supporting genetic transmission in manic-depressive illness, **268**, 327

Merigan T. C., Oldstone M. B. A. and Welsh R. M. Interferon production during lymphocytic choriomeningitis virus infection of nude and normal mice, **268**, 67

Meyer F. *see under* Mészáros P., **268**, 420

Migeon B. R. *see under* Corsaro C. M., **268**, 737

Miledi R. *see under* Anderson C. R., **268**, 663

Miledi R., Parker I. and Schalow G. Calcium transients in frog slow muscle fibres, **268**, 750

Mills A. A. Dust clouds and frictional generation of glow discharges on Mars, **268**, 614

Milner A. D. and Dunne J. J. Lateralised perception of bilateral chimaeric faces by normal subjects, **268**, 175

Milner S. M. Activation of mouse spleen cells by a single short pulse of mitogen, **268**, 441

Mitchison N. A. Neoplastic transformation, *news and views*, **268**, 106

Miyano Y. *see under* Kitamura Y., **268**, 442

Moffet A. T. *see under* Cohen M. H., **268**, 405

Molday R. S., Yen S. P. S. and Rembaum A. Application of magnetic microspheres in labelling and separation of cells, **268**, 437

Mollon J. D. The oddity of blue, *news and views*, **268**, 587

Montadert L., Roberts D. G., Auffret G. A., Bock W., DuPeuble P. A., Hailwood E. A., Harrison W., Kagami H., Lumsden D. N., Muller C., Schnitker D., Thompson R. W., Thompson T. L. and Timofeev P. P. Rifting and subsidence on passive continental margins in the North East Atlantic, **268**, 305

Moorbath S. *see under* Chapman H. J., **268**, 41

Moore C. B. *see under* Gaskell W., **268**, 124

Moore P. D. Ancient distribution of lime trees in Britain, *news and views*, **268**, 13

Moore P. D. Atmospheric carbon dioxide and forest clearance, *news and views*, **268**, 296
Science in the Himalayas, *news*, **268**, 682

Morgan D. New quarks . . . now the good news, *news and views*, **268**, 297

Mosbach K. *see under* Mattiasson B., **268**, 519

Moss D. J., Scott W. and Pope J. H. An immunological basis for inhibition of transformation of human lymphocytes by EB virus, **268**, 735

Mugnaini E. *see under* Lauder J. M., **268**, 335

Muller C. *see under* Montadert L., **268**, 305

murata T. *see under* Endo T., **268**, 74

Murlis J. and Bettany B. W. Night flight towards a sex pheromone source by male *Spodoptera littoralis* (Boisd.) (lepidoptera, Noctuidae), **268**, 433

Murthy B. S. *see under* Deshpande M. R., **268**, 614

Myatt L. and Elder M. G. Inhibition of platelet aggregation by a placental substance with prostacyclin-like activity, **268**, 159

Nardi J. B. Are cell affinity relationships for insect epidermal tissues evidence for combinatorial control? **268**, 665

Nash A. A., *see under* Burns G. F., **268**, 243

Neidle S. Approaches to effective anti-cancer drugs, *news and views*, **268**, 195

Neumann J. R. *see under* Riggs M. G., **268**, 462

Nevers P. and Saedler H. Transposable genetic elements as agents of gene instability and chromosomal rearrangements, *review article*, **268**, 109

Nevo E. *see under* Brown A., **268**, 430

Nickla H. Maternal effects determine effective lethal phase of *carnation-light* synthetic lethal in *Drosophila melanogaster*, **268**, 638

Nicolson G. L. *see under* Birdwell C. R., **268**, 528

Nomoto A., Detjen B., Pozzatti R. and Wimmer E. The location of the polio genome protein in viral RNAs and its implication for RNA synthesis, **268**, 208

Norenburg M. D. *see under* Riepe R. E., **268**, 654

Norman C. OTA's stormy ride, *news*, **268**, 4

Northmore D. P. M. Spatial summation and light adaptation in the goldfish visual system, **268**, 450

Nottale L. and Vigier J. P. Continuous increase of Hubble modulus behind clusters of galaxies, **268**, 608

Nowlin W. D. Jr. *see under* Baker D. J. Jr, **268**, 696

Nugteren D. H. *see under* De Deckere E. A. M., **268**, 160

Nurse K. *see under* Thompson E. J., **268**, 241

Nwuke E. I. *see under* Solomons C. C., **268**, 55

Oates K. *see under* Hunt S., **268**, 370

Oatley S. J. *see under* Blake C. C. F., **268**, 115

O'Day D. H. *see under* Lewis K. E., **268**, 730

Oertel D., Schein S. J. and Kung C. Separation of membrane currents using a *Paramecium* mutant, **268**, 120

Ohama K. *see under* Kajii T., **268**, 633

Ohashi O. *see under* Takewaki T., **268**, 749

Ohishi N. *see under* Fujihira M., **268**, 226

Okon E. and Koch Y. Localisation of gonadotropin-releasing hormone in the circumventricular organs of human brain, **268**, 445

Olaisen B. *see under* Arnason A., **268**, 527

Oldstone M. B. A. *see under* Merigan T. C., **268**, 67

Olianas M. *see under* Di Chiara G., **268**, 743

Ondricek A., Gilpin E. A., Soule M. E. and Gilpin M. E. U-shaped gene frequency distributions — Reply, *matters arising*, **268**, 374

Orly J. *see under* Schramm M., **268**, 310

Osa T. *see under* Fujihira M., **268**, 226

Oswald W. J. *see under* Benemann J. R., **268**, 19

Pagano J. S. *see under* Lemon S. M., **268**, 268

Palmer T. J. *see under* Edwards O., **268**, 565

Pankhurst R. J. Open system crystal fractionation and incompatible element variation in basalts, **268**, 36

Pansky B. *see under* Senitzer D., **268**, 158

Parker I. *see under* Miledi R., **268**, 750

Parsegian V. A. *see under* Gingell D., **268**, 767

Parshad R. and Sanford K. K. Intermittent exposure to

fluorescent light extends lifespan of human diploid fibroblasts in culture, **268,** 736

Parsons R. L. *see under* Lambert D. H., **268,** 553

Paterson M. P. Sodium and chloride in rainwater — Reply, *matters arising*, **268,** 568

Patil S. R. *see under* Lubs H. A., **268,** 631

Pauliny-Toth I. I. K. *see under* Cohen M. H., **268,** 405

Paulsen D. F. and Finch R. A. Age- and region-dependent concavalin A reactivity of chick wing-bud mesoderm cells, **268,** 639

Pawson T., Harvey R. and Smith A. E. The size of Rous sarcoma virus mRNAs active in cell-free translation, **268,** 416

Pemberton J. M. and Fisher P. R. 2,4-D plasmids and persistence, **268,** 732

Penkett S. A. *see under* Brice K. A., **268,** 127

perham R. N. *see under* Bates D. L., **268,** 313

Peterkofsky A. *see under* Prasad C., **268,** 142

Petersen O. H. *see under* Iwatsuki N., **268,** 147

Peterson P. A. *see under* Klareskog L., **268,** 248

Pettersson R. F., Flanegan J. B., Rose J. K. and Baltimore D. 5″-Terminal nucleotide sequences of polio virus polyribosomal RNA and virion RNA are identical, **268,** 270

Peucat J. J. and Cogne J. Geochronology of some blueschists from Ile de Groix, France, **268,** 131

Phillips J. M. and Waldmann H. Monogamous T helper cell, **268,** 641

Picasso E. *see under* Bailey J., **268,** 301

Piccolino M. and Gerschenfeld H. M. Lateral interactions in the outer plexiform layer of turtle retinas after atropine block of horizontal cells, **268,** 259

Pichler W. J. *see under* Stingl G., **268,** 245

Pickersgill B. Taxonomy and the origin and evolution of cultivated plants in the New World, *review article*, **268,** 591

Pillarisetty R. J. *see under* Gardner M. B., **268,** 341

Pillsbury R. D. *see under* Baker D. J. Jr, **268,** 696

Pimm S. L. and Lawton J. H. Number of trophic levels in ecological communities, **268,** 329

Pless J. *see under* Roemer D., **268,** 547

Pockley P. When two academics meet, *news*, **268,** 187

Pollack G. H., Iwazumi T., ter Keurs H. E. D. J. and Shibata E. F. Sarcomere shortening in striated muscle occurs in stepwise fashion, **268,** 757

Pollard H., Llorens-Cortes C. and Schwartz J. C. Enkephalin receptors on dopaminergic neurones in rat striatum, **268,** 745

Pope J. H. *see under* Moss D. J., **268,** 735

Potts R., Fournier M. J. and Ford N. C. Effect of aminoacylation on the conformation of yeast phenylalanine tRNA, **268,** 563

Powers J. M. *see under* Brostoff S. W., **268,** 732

Powers M. L. *see under* Villee D. B., **268,** 156

Powls R. *see under* Britton G., **268,** 81

Pozzatti R. *see under* Nomoto A., **268,** 208

Prasad C., Matsui T. and Peterkofsky A. Antagonism of ethanol narcosis by histidyl-proline diketopiperazine, **268,** 142

Pratt G. E. *see under* Tobe S. S., **268,** 728

Press F. *see under* Briggs P. L., **268,** 125

Preuss E. *see under* Cohen M. H., **268,** 405

Price J. *see under* Wyllie A. H., **268,** 150

Pringle J. The puzzles of Hercules, *news and views*, **268,** 484

Pringle J. E. *see under* Mészáros P., **268,** 420

Prives J. and Shinitzky M. Increased membrane fluidity precedes fusion of muscle cells, **268,** 761

Quetier F. and Vedel F. Heterogeneous population of mitochondrial DNA molecules in higher plants, **268,** 365

Quenby J. J. *see under* Coe M. J., **268,** 508
Cosmic ray age, soft X-rays and the galactic wind, *news and views*, **268,** 401

Rahn K. A., Borys R. D. and Shaw G. E. The Asian source of Arctic haze bands, **268,** 713

Rainer J. D. *see under* Mendlewicz J., **268,** 327

Ramachandran V. S., Clarke P. G. H. and Whitteridge D. Cells selective to binocular disparity in the cortex of newborn lambs, **268,** 333

Rannala E. *see under* Isaacs N. S., **268,** 372

Rappaport S., Clark G. W., Dower R., Doxsey R., Jernigan G. and Li F. Variable mid-latitude X-ray source 3U0042+32, **268,** 705

Rastogi R. G. Geomagnetic storms and electric fields in the equatorial ionosphere, **268,** 422

Redfearn J. ILL at ease, *news*, **268,** 287

Rein G. *see under* Greene L. A., **268,** 349

Reiness C. G. *see under* Hall Z. W., **268,** 655

Rembaum A. *see under* Molday R. S., **268,** 437

Remington J. S. *see under* Wing E. J., **268,** 642

Requena J. *see under* Haydon D. A., **268,** 356

Reubi J.-C., Iversen L. L. and Jessell T. M. Dopamine selectively increases ^{3}H-GABA release from slices of rat substantia nigra *in vitro*, **268,** 652

Rice M. J. Blowfly ovipositor receptor neurone sensitive to monovalent cation concentration, **268,** 747

Rich V. Heading for Honolulu, *news*, **268,** 578

Richards E. G. Ribosomal switches, *news and views*, **268,** 585

Richardson J. S. Beta-Sheet topology and the relatedness of proteins, **268,** 495

Riding R. and Kershaw S. Nature of stromatoporoids, *matters arising*, **268,** 178

Riepe R. E. and Norenburg M. D. Müller cell localisation of glutamine synthetase in rat retina, **268,** 654

Rigby P. W. J. Insulin genes into *E. coli:* first step from fantasy to fact, **268,** 198

Riggi S. J. *see under* Banerjee S. P., **268,** 455

Riggs M. G., Whittaker R. G., Neumann J. R. and Ingram V. M. *n*-Butyrate causes histone modification in He-La and Friend erythroleukaemia cells, **268,** 462

Riklis E. *see under* Heimer Y. M., **268,** 170

Ringel S. P. *see under* Solomons C. C., **268,** 55

Ritchings R. T. *see under* Lyne A. G., **268,** 606

Roberts D. G. *see under* Montadert L., **268,** 305

Roberts E. H. and Ellis R. H. Prediction of seed longevity at sub-zero temperatures and genetic resources conservation, **268,** 431

Robinson J. C. *see under* Chou J. Y., **268,** 543

Roedel W., Junkerman W. and Leidner L. Radioactive ^{38}S in an atmospheric SO_2 and SO_2 oxidation rate measurement, **268,** 320

Roemer D., Buescher H. H., Hill R. C., Pless J., Bauer W., Cardinaux F., Closse A., Hauser D. and Huguenin R. A synthetic enkephalin analogue with prolonged parenteral and oral analgesic activity, **268,** 547

Romano G. *see under* Barbieri C., **268,** 318

Romans J. C. C. Stratigraphy of buried soil at Teindland Forest, Scotland, **268,** 622

Romney J. D. *see under* Cohen M. H., **268,** 405

Rose G. D. and Wetlaufer D. B. The number of turns in globular proteins, **268,** 769

Rose J. K. *see under* Pettersson R. F., **268,** 270

Roser B. J. *see under* Hall B. M., **268,** 532

Ross L. J. N. Antiviral T cell-mediated immunity in Marek's disease, **268,** 644

Rothschild M. *see under* Marsh N. A., **268,** 726

Rowden G., Lewis M. G. and Sullivan A. K. Ia antigen expression on human epidermal Langerhans cells, **268,** 247

Rowlands D. J. *see under* Sangar D. V., **268,** 648

Roxburgh I. W. Large number hypothesis and continuous creation cosmologies, **268,** 504

Rush H. *see under* Blythe C., **268,** 386

Russell D. H. *see under* Byus C. V., **268,** 63

Russell M. A. *see under* Tiong S. Y., **268,** 435

Russell S. W. and McIntosh A. T. Macrophages isolated from regressing Moloney sarcomas are more cytotoxic than those recovered from progressing sarcomas, **268,** 69

Ryning F. W. *see under* Wing E. J., **268,** 642

Sabroux J. C. *see under* Haulet R., **268,** 715

Saedler H. *see under* Nevers P., **268,** 109

Saijo H. *see under* Konishi Y., **268,** 709

Sakai T. *see under* Hashimoto T., **268,** 225

Salzberg B. M. *see under* Grinvald A., **268,** 140

Sambrook J. Adenovirus amazes at Cold Spring Harbor, *news and views*, **268,** 101

Samuels H. H., Horwitz Z. D., Stanley F., Casanova J. and Shapiro L. E. Thyroid hormone controls glucocorticoid action in cultured GH_1 cells, **268,** 254

Sanderson C. J., Lopez A. F. and Bunn Moreno M. M. Eosinophils and not lymphoid K cells kill *Trypanosoma cruzi* epimastigotes, **268,** 340

Sandoe C. P. *see under* Wira C. R., **268,** 534

Sanford K. L. *see under* Parshad R., **268,** 736

Sangar D. V., Rowlands D. J., Harris T. J. R. and Brown F. Protein covalently linked to foot-and-mouse disease virus RNA, **268,** 648

Sargent P. B. and Dennis M. J. Formation of synapses between parasympathetic neurones deprived of preganglionic innervation, **268,** 456

Saxena R. K. and Talwar G. P. An anterior pituitary factor stimulates thymidine incorporation in isolated thymocytes, **268,** 57

Schally A. V. *see under* Cusan L., **268,** 544

Schalow G. *see under* Miledi R., **268,** 750

Scheffler I. E. *see under* Ditta G., **268,** 64

Schein S. J. *see under* Oertel D., **268,** 120

Schilizzi R. T. *see under* Cohen M. H., **268,** 405

Schnitker D. *see under* Montadert L., **268,** 305

Schove D. J. Maya dates AD 352-1296, *matters arising*, **268,** 670

Schramm M., Orly J., Eimerl S. and Korner M. Coupling of hormone receptors to adenylate cyclase of different cells by cell fusion, **268,** 310

Schwartz J. C. *see under* Pollard H., **268,** 745

Scordilis S. P. and Adelstein R. S. Myoblast myosin phosphorylation is a prerequisite for actin activation, **268,** 558

Scott W. *see under* Moss D. J., **268,** 735

Scriven L. E. *see under* Larson R. G., **268,** 409

Scrutton R. A. *see under* Dingle R. V., **268,** 720

Secher D. S. Multispecific antibodies, *news and views*, **268,** 689

Seilstad H. A. *see under* Cohen M. H., **268,** 405

Senanayake F. R. Habitat values and endemicity in the vanishing rain forests of Sri Lanka, *matters arising*, **268,** 568

Senitzer D., Cafruny W., Pansky B. and Freimer E. H. Spontaneous and induced cell-mediated reactivity to syngeneic cells, **268,** 158

Sethia G. *see under* Deshpande M. R., **268,** 614

Setlow J. K. The shape of the ultraviolet inactivation curve for transforming DNA, **268,** 169

Shackleton N. J. and Matthews R. K. Oxygen isotope stratigraphy of Late Pleistocene coral terraces in Barbados, **268,** 618

Shaffer D. B. *see under* Cohen M. H., **268,** 405

Shapiro L. E. *see under* Samuels H. H., **268,** 254

Sharkey A. G. *see under* White C. M., **268,** 620

Shaw G. E. *see under* Rahn K. A., **268,** 713

Shaw J. E. *see under* Lemon S. M., **268,** 268

Sherwell C. Man-made process, *news*, **268,** 478

Shibata E. F. *see under* Pollack G. H., **268,** 757

Shimada H. *see under* Hashimoto T., **268,** 225

Shimada M. *see under* Kitamura Y., **268,** 442

Shinitzky M. *see under* Prives J., **268,** 761

Shultz J. L. *see under* White C. M., **268,** 620

Shuman H. *see under* Somlyo A. V., **268,** 556

Skamene E. *see under* Aguayo A. J., **268,** 753

Skirball L. R., Braizer L. and Dretchen K. L. Evidence for a cyclic nucleotide-mediated calcium flux in motor nerve terminals, **268,** 352

Skoff R. P. Dysmyelination in Jimpy mouse due to astroglial hyperlasia? ¼ Reply, *matters arising*, **268,** 177

Sladecek M. *see under* Hasek M., **268,** 68

Slegers J. F. G. *see under* Augustus J., **268,** 657

Smalley I. J. The Warsaw-Moscow soil structure project, *news and views*, **268,** 487

Smith A. E. *see under* Pawson T., **268,** 416

Smith B. A. *see under* Hubbard W. B., **268,** 33
Uranus rings: an optical search, **268,** 32

Smith C. C. *see under* Henneberry R. C., **268,** 252

Smith J. M. Why the genome does not congeal, *review article*, **268,** 693

Smith P. J. Evidence for Earth expansion? *news and views*, **268,** 200
Isotherm limits ocean magnetism, *news and views*, **268,** 299
New shocks in northeastern Alaska, *news and views*, **268,** 12
New sulphide mineral discovered, *news and views*, **268,** 585
The return of whole-mantle convection, *news and views*, **268,** 687

Smith S. J. Calcium and muscle regulation, *news and views*, **268,** 400

Smith S. L. *see under* Bollenbacher W. E., **268,** 660

Søndergaard M. and Laegaard S. Vesicular-arbuscular mycorrhiza in some aquatic vascular plants, **268,** 232

Soderberg K. *see under* Ditta G., **268,** 64

Sokawa Y., Watanabe Yoshihiko, Watamabe Yuji and Kawade Y. Interferon suppresses the transition of quiescent 3T3 cells to a growing state, **268,** 236

Solomons C. C., Ringel S. P., Nwuke E. I. and Suga H. Abnormal adenine metabolism of erythrocytes in Duchenne and myotonic muscular dystrophy, **268,** 55

Somlyo A. P. *see under* Somlyo A. V., **268,** 556

Somlyo A. V., Shuman H. and Somlyo A. P. Composition of sarcoplasmic reticulum *in situ* by electron probe X-ray microanalysis, **268,** 556

Soter S. and Harris A. Are striations on Phobos evidence for tidal stress? **268,** 421

Soule M. E. *see under* Ondricek A., **268,** 374

Spannbauer P. M. *see under* Lambert D. H., **268,** 553

Spano P. F. *see under* Di Chiara G., **268,** 743

Spooner L. L. R. and Barry R. D. Participation of DNA-dependent RNA polymerase II in replication of influenza viruses, **268,** 650

Springer T. A., Kaufman J. F., Terhorst C. and Strominger J. L. Purification and structural characterisation of human *HLA*-linked B-cell antigens, **268,** 213

Stacey F. D. *see under* Brennan B. J., **268,** 220

Stanley F. *see under* Samuels H. H., **268,** 254

Stanworth C. W. *see under* Badham J. P. N., **268,** 516

Stapleton R. P. Carboniferous unconformity in southern Africa, **268,** 222

Stenman S. *see under* Kurki P., **268,** 240

Stetson D. L. *see under* Ellis R. A., **268,** 555

Stevens R. A. and Martin E. S. Ion-adsorbent substomatal structures in *Tradescantia pallidus*, **268,** 364

Stevenson D. J. Hydrogen in the Earth's core, **268,** 130

Stingl G., Wolff-Schreiner E. C., Pichler W. J., Gschnait F., Knapp W. and wolff K. Epidermal Langerhans cells bear Fc and C3 receptors, **268,** 245

Strominger J. L. *see under* Springer T. A., **268,** 213

Suga H. *see under* Solomons C. C., **268,** 55

Sullivan A. K. *see under* Rowden G., **268,** 247

Sumino K., Yamamoto R. and Kitamura S. A role of selenium against methylmercury toxicity, **268,** 73

Summitt R. L. *see under* Lubs H. A., **268,** 631

Sun L. *see under* Kawakami T. G., **268,** 448

Sundharadas G. Do antigen-specific helper factors in rabbit lack V-region Ig determinants? *matters arising*, **268,** 178

Suomi V. E. *see under* Levanon N., **268,** 514

Tabakoff B. *see under* Hoffman P. L., **268,** 551

Tagliamonte A. *see under* Di Chiara G., **268,** 743

Takewaki T. and Ohashi O. Non-cholinergic excitatory transmission to intestinal smooth muscle cells, **268,** 749

Talal N. *see under* Gardner M. B., **268,** 341

Talbot M. R. and Delibrias G. Holocene variations in the level of Lake Bosumtwi, Ghana, **268,** 722

Tallman J. F. *see under* Henneberry R. C., **268,** 252

Talwar G. P. *see under* Saxena R. K., **268,** 57

Tamura M. *see under* Konishi Y., **268,** 709

Tasai H. *see under* Endo T., **268,** 74

Tassava R. A. and Loyd R. M. Injury requirement for initiation of regeneration of newt limbs which have whole skin grafts, **268,** 49

Tauber C. A. and Tauber M. J. A genetic model for sympatric speciation through habitat diversification and seasonal isolation, **268,** 702

Tauber M. J. *see under* Tauber C. A., **268,** 702

Taussig M. J., Finch A. P. and Kelus A. S. Do antigen-specific helper factors in rabbit lack V-region Ig determinants? — Reply, *matters arising*, **268,** 178

teisberg P. *see under* Arnason A., **268,** 527

Tenaza R. R. and Tilson R. L. Evolution of long-distance alarm calls in Kloss's gibbon, **268,** 233

Teng M-H., Bartholomew J. C. and Bissell M. J. Synergism between anti-microtubule agents and growth stimulants in enhancement of cell cycle traverse, **268,** 739

ter Keurs H. E. D. J. *see under* Pollack G. H., **268,** 757

Terhorst C. *see under* Springer T. A., **268,** 213

Thomas C. Making paper work, *news*, **268,** 188

Thompson E. J., Yasin R., Beers G. V., Nurse K. and Al-Ani S. Myogenic defects in human muscular dystrophy, **268,** 241
Thompson R. W. *see under* Montadert L., **268,** 305
Thompson T. L. *see under* Montadert L., **268,** 305
Thorne H. V. and Dermott E. Y-forms as possible intermediates in the replication of measles virus nucleocapsids, **268,** 345
Thuriaux P. Is recombination confined to structural genes on the eukaryotic genome? **268,** 460
Tilson R. L. *see under* Tenaza R. R., **268,** 233
Timofeev P. P. *see under* Montadert L., **268,** 305
Tiong S. Y., Girton J. R., Hayes P. H. and Russell M. A. Effect of regeneration on compartment specificity of the bithorax mutant of *Drosophila melanogaster*, **268,** 435
Tischler A. S. *see under* Dichter M. A., **268,** 501
Titzsimons J. T. *see under* Evered M. D., **268,** 332
Tjernlund U. M. *see under* Klareskog L., **268,** 248
Tobe S. S., Chapman C. S. and Pratt G. E. Decay in juvenile hormone biosynthesis by insect corpus allatum after nerve transection, **268,** 728
Tobien H. *see under* Andrews P., **268,** 699
Todd I. *see under* Gingell D., **268,** 767
Tsong T. Y. *see under* Kinosita K. Jr, **268,** 438
Tsuda Y. *see under* Goto M., **268,** 755
Turner R. R. *see under* Lindberg S. E., **268,** 133
Twibell J. D. and Home J. M. Novel method for direct analysis of hydrocarbons in crime investigation and air pollution studies, **268,** 711
Tye N. C., Everitt B. J. and Iversen S. D. 5-Hydroxtryptamine and punishment, **268,** 741
Tyrer N. M. and Johnson K. A. Does electrophoresis of cockroach muscle proteins detect recognition molecules? **268,** 759
Ubbelohde A. R. New interest in carbon lamellar compounds, *news and views*, **268,** 16
Uchida S. *see under* Hotta S., **268,** 733
van Brakel J. and Heertjes P. M. Contact angle and film jumps, **268,** 44
van Deenen L. L. M. *see under* Zwaal R. F. A., **268,** 358
van Os C. H. *see under* Augustus J., **268,** 657
Vats H. O. *see under* Deshpande M. R., **268,** 614
Vedel F. *see under* Quétier F., **268,** 365
Vigier J. P. *see under* Nottale L., **268,** 608
Villareale M. *see under* Hughes M. R., **268,** 347
Villee D. B. and Powers M. L. Effect of glucose and insulin on collagen secretion by human skin fibroblasts *in vitro*, **268,** 156
Vincze E. *see under* Kondorosi A., **268,** 525
Virtanen I. *see under* Kurki P., **268,** 240
von Borcke S. *see under* Marshall N. J., **268,** 58
von Ruden W. *see under* Bailey J., **268,** 301
Waldmann H. *see under* Phillips J. M., **268,** 641
Wang S-S. *see under* Chou J. Y., **268,** 543
Wasserman R. H. *see under* Hughes M. R., **268,** 347
Watanabe Yoshihiko. *see under* Sokawa Y., **268,** 236
Watanabe Yuji. *see under* Sokawa Y., **268,** 236
Wdowczyk J. and Wolfendale A. W. Cosmic rays and ancient catastrophes, **268,** 510
Weeks D. P., Collis P. S. and Gealt M. A. Control of induction of tubulin synthesis in *Chlamydomonas reinhardi*, **268,** 667
Weissman J. C. *see under* Benemann J. R., **268,** 19
Welsh R. M. *see under* Merigan T. C., **268,** 67
Welsh R. M. Jr and Zinkernagel R. M. Heterospecific cytotoxic cell activity induced during the first three days of acute lymphocytic choriomeningitis virus infection in mice, **268,** 646
Westoby M. Generalisation of self-thinning of plant populations — Reply, *matters arising*, **268,** 373
Wetlaufer D. B. *see under* Rose G. E., **268,** 769
Wheeler J. C. and Bash F. N. Supernovae and molecular clouds, **268,** 706
White C. M., Shultz J. L. and Sharkey A. G. Biological markers in coal and coal liquefaction products, **268,** 620
White J. Generalisation of self-thinning of plant populations, *matters arising*, **268,** 373
Whittaker R. G. *see under* Riggs M. G., **268,** 462
Whitteridge D. *see under* Ramachandran V. S., **268,** 333
Wielgus J. J. *see under* Bollenbacher W. E., **268,** 660
Wigston D. *see under* Harris A. J., **268,** 265
Wild A. Nitrate in drinking water: health hazard unlikely, *news and views*, **268,** 197
Wild A. E. and Dawson P. Evidence for Fc receptors on rabbit yolk sac endoderm, **268,** 443
Wilkie T. The Twin Paradox revisited, *news and views*, **268,** 295
Williams J. A. *see under* Chandler D. E., **268,** 659
Wimmer E. *see under* Nomoto A., **268,** 208
Winegrad S. *see under* McClellan G. B., **268,** 261
Wing E. J., Gardner I. D., Ryning F. W. and Remington J. S. Dissociation of effector functions in populations of activated macrophages, **268,** 642
Winlow W. and Benjamin P. R. Postsynaptic effects of a multiaction giant interneurone on identified snail neurones, **268,** 263
Wira C. R. and Sandoe C. P. Sex steroid hormone regulation of IgA and IgG in rat uterine secretions, **268,** 534
Witzel A. *see under* Cohen M. H., **268,** 405
Wolfendale A. W. *see under* Wdowczyk J., **268,** 510
Wolff K. *see under* Stingl G., **268,** 245
Wolff-Schreiner E. C. *see under* Stingl G., **268,** 245
Worman C. P. *see under* Burns G. F., **268,** 243
Wright H. M. *see under* Hopwood D. A., **268,** 171
Wykes T. and Johnson-Laird P. N. How do children learn the meaning of verbs? **268,** 326
Wyllie A. H., Gurdon J. B. and Price J. Nuclear localistion of an oocyte component required for the stability of injected DNA, **268,** 150
Yamamoto R. *see under* Sumino K., **268,** 73
Yang H.-Y. T. *see under* Fratta W., **268,** 452
Yasin R. *see under* Thompson E. J., **268,** 241
Yatani A. *see under* Goto M., **268,** 755
Yeats P. A. *see under* Bewers J. M., **268,** 595
Yen S. P. S. *see under* Molday R. S., **268,** 437
Yevo Y., Frangione B. and Franklin E. C. Amino acid sequence similarities between amyloid P component Clt and CRP, **268,** 56
Zambon M. *see under* Barbieri C., **268,** 318
Zeidan R. *see under* Leeder M. R., **268,** 42
Zellner B. H. *see under* Hubbard W. B., **268,** 33
Zettwoog P. *see under* Haulet R., **268,** 715
Zigler J. S. *see under* Masters P. M., **268,** 71
Zinkernagel R. M. *see under* Welsh R. M. Jr, **268,** 646
Ziskind L. *see under* Harris A. J., **268,** 265
Zohary D. *see under* Brown A., **268,** 430
Zuckerman A. J. Bed bugs and hepatitis, *news and views*, **268,** 688
Zuckerman B. Interstellar molecules, *review article*, **268,** 491
Zwaal R. F. A., Comfurius P. and van Deenen L. L. M. Membrane asymmetry and blood coagulation, **268,** 358

nature

Author Index for Volume 269

September–October 1977
Numbers 5623–5631
Pages 1–840

Achari A. *see under* Neidle S., **269,** 304
Ackerman M., Frimout D., and Muller C. Stratospheric CH_4, HCl and ClO and the chlorine-ozone cycle, **269,** 226
Acree W. E. Jr. and Bertrand G. L. A cholesterol–isopropanol gel, **269,** 450
Adams C. G., Bensson R. H., Kidd R. B., Ryan W. B. F. and Wright R. C. The Messinian salinity crisis and evidence of late Miocene eustatic changes in the world ocean, **269,** 383
Adams P. R. and Feltz A. Interaction of a fluorescent probe with acetylcholine-activated synaptic membrane, **269,** 609
Adams R. P. Earthquake prediction, *news and views,* **269,** 14
Aizenshtat Z. *see under* Spiro B., **269,** 235
Aksnes K. Quantitative analysis of the Dermott-Gold theory for Uranus' rings, **269,** 783
Alahiotis S., Miller S. and Berger E. Natural selection at the alpha-*GDH* locus in *Drosophila,* **269,** 144
Alberts B. and Sternglanz R. Recent excitement in the DNA replication problem, *review article,* **269,** 655
Albrecht P. *see under* Dastillung M., **269,** 678
Albrechtsen R. *see under* Braestrup C., **269,** 702
Alfano R. R. *see under* Green B. H., **269,** 179
Alkon D. L. *see under* DeFelice L. J., **269,** 613
Allen G. SRC's new head, old hand, *news,* **269,** 643
Alstiel L. D. and Landsberger F. R. Interaction of colchicine with phosphatidylcholine membranes, **269,** 70
Anderson B. *see under* Wilksinon P. N., **269,** 764
Anglin J. H. Jr, Lenerner M. P. and Nordquist R. E. Blood group-like activity released by human mammary carcinoma cells in culture, **269,** 254
Anwar A. R. E. and Kay A. B. The ECF-A tetrapeptides and histamine selectively enhance human eosinophil complement receptors, **269,** 522
Apling A. J., Sullivan E. J., Williams M. L., Ball D. J., Bernard R. E., Derwent R. G., Eggleton A. E. J., Hampton L. and Waller R. E. Ozone concentrations in South-East England during the summer of 1976, **269,** 569
Apparao K. M. V. *see under* Bradt H. V., **269,** 496
see under Bradt H. V., **269,** 21
see under Doxsey R. E., **269,** 112
Arden J. W. Isotopic composition of uranium in chondritic meteorites, **269,** 788
Arend P. and Nijssen J. A-specific autoantigenic ovarian glycolipids inducing production of 'natural' anti-A antibody, **269,** 255
Arndt J. *see under* King E. A., **269,** 48
Asada T. *see under* Shimamura H., **269,** 680
Ashcroft R. G., Coster H. G. L. and Smith J. R. Local anaesthetic benzyl alcohol increases membrane thickness, **269,** 819
Ashmore J. The ultraviolet sense in flies, *news and views,* **269,** 373
Aton B. *see under* Green B. H., **269,** 179
Augenstein B. W. High explosive analogue of the Tunguska Event, *matters arising,* **269,** 355
Austen B. M., Smyth D. G. and Snell C. R. Gamma-Endorphin, alpha-endorphin and Met-enkephalin are formed extracellularly from lipotropin C fragment, **269,** 619
Austin S. M. and King C. H. A constraint on the universal baryon density from the abundance of ^{7}Li, **269,** 782
Autrup H. *see under* Jeffrey A. M., **269,** 348
Baglioni C. *see under* Gabrielli F., **269,** 529
Baker M. E. and Fanestil D. D. Effect of protease inhibitors and substrates on deoxycorticosterone binding to its receptor in dog MDCK kidney cells, **269,** 810
Baker P. S. *see under* Cooter R. J., **269,** 53
Balazs T. *see under* Bookchain R. M., **269,** 526
Ball D. J. *see under* Apling A. J., **269,** 569
Baltimore D. *see under* Rothernberg E., **269,** 122
Barker J. L. Electrophysiology of the hypothalamus, *news and views,* **269,** 467
Barker P What future for Antarctic geology? *news and views,* **269,** 561
Baron S. *see under* Blalock J. E., **269,** 422
see under Ohtsuki K., **269,** 536
Barrett J. C. *see under* Leavitt J. C., **269,** 63
Bathurst J. C., Thorne C. R. and Hey R. D. Direct measurements of secondary currents in river bends, **269,** 504
Batty C. J. High-energy physics and nuclear structure, **269,** 375
Bauer C. and Jelkmann W. Carbon dioxide governs the oxygen affinity of crocodile blood, **269,** 825
Baulch R. N. E. and Butcher E. C. Atmospheric waves in the ionosphere due to total solar eclipse, **269,** 497
Baylor D. A. *see under* Yau K.-W., **269,** 78
Begenisich T. and De Weer P. Ionic interactions in the potassium channel of squid giant axons, **269,** 710
Bellett A. J. D. *see under* Stillman B. W., **269,** 723
Bende M. L. *see under* Lorens R. B., **269,** 793
Bender M. *see under* Klinkhammer G., **269,** 319
Benesch R. *see under* Benesch R. E., **269,** 772
Benesch R. E., Kwong S., Benesch R. and Edalji R. Location and bond type of intermolecular contacts in the polymerisation of haemoglobin S., **269,** 772
Bennett J. Phosphorylation of chloroplast membrane polypeptides, **269,** 344
Bennett K. *see under* Hermsen W., **269,** 494
Benson J. A. *see under* Treherne J. E., **269,** 430
Bensson R. H. *see under* Adams C. G., **269,** 383
Benveniste J., Le Couedic J. P., Polonsky J. and Tence M. Structural analysis of purified platelet-activating factor by lipases, **269,** 170
Benveniste R. E. *see under* Todaro G. J., **269,** 354
Berger A. L. Support for the astronomical theory of climatic change, **269,** 44
Berger E. *see under* Alahiotis S., **269,** 144
Berger W. H. Deep-sea carbonate and the deglaciation preservation spike in pteropods and foraminifera, **269,** 301
Berger W. H., Johnson R. F. and Killingley J. S. 'Unmixing' of the deep-sea record and the deglacial meltwater spike, **269,** 661
Berggren W. A. *see under* Haq B. U., **269,** 483
Bergh H. W. Mesozoic sea floor off Dronning Maud Land, Antarctica, **269,** 686
Berman H. M. *see under* Neidle S., **269,** 304
Bernard R. E. *see under* Apling A. J., **269,** 569
Bertrand G. L. *see under* Acree W. E. Jr, **269,** 450
Bevan M. J. In a radiation chimaera, host H–2 antigens determine immune responsiveness of donor cytotoxic cells, **269,** 417
Bhattacharjee S. K. Unstable protein-mediated ultraviolet light resistance in *Anacystis nidulans,* **269,** 82
Bickbau M. J. *see under* Ilyukhin V. V., **269,** 397
Bignami G. F. *see under* Hermsen W., **269,** 494
Bitensky M. W. *see under* Wheeler G. L., **269,** 822
Blalock J. E. and Baron S. Interferon-induced transfer of viral resistance between animal cells, **269,** 422
Blank K. J. and Lilly F. Evidence for an *H-2*/viral protein complex on the cell surface as the basis for the *H-2* restriction of cytoxicity, **269,** 808
Bloom B. R. *see under* Newman W., **269,** 151
Bloom M. *see under* Stockton G. W., **269,** 267
Boalch G. T. and Harbour D. S. Unusual diatom off the coast of south-west England and its effect on fishing, **269,** 687
Boella G. *see under* Hermsen W., **269,** 494
Bohlander R. A. *see under* Moffat P. H., **269,** 676
Bolin R. B., Okumura T. and Jamieson G. A. New polymorphism of platelet membrane glycoproteins, **269,** 69
Bonney R. J. *see under* Humes J. L., **269,** 149
Bookchin R. M., Balazs T., Nagel R. L. and Tellez I. Polymerisation of haemoglobin SA hybrid tetramers, **269,** 526
Boulanger Y. *see under* Stockton G. W., **269,** 267
Bowen V. T. *see under* Livingston H. D., **269,** 586
Bowie D. L. *see under* Pert C. B., **269,** 73
Boyd M. R. Evidence for the Clara cell as a site of cytochrome P450-dependent mixed-function oxidase activity in lung, **269,** 713
Bradt H. V. *see under* Doxsey R. E., **269,** 112
Bradt H. V., Apparao K. M. V., Clark G. W., Dower R., Doxsey R., Hearn D. R., Jernigan J. G., Joss P. C., Mayer W., McClintock J. and Walter F. On the optical identifications of five X-ray sources, **269,** 21
Bradt H. V., Apparao K. M. V., Dower R., Doxsey R. E., Jernigan J. G. and Markert T. H. Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U162–67, **269,** 496
Braestrup C., Albrechtsen R. and Squires R. F. High densities of benzodiazepine receptors in human cortical areas, **269,** 702
Brand A., Gilmour D. G. and Goldstein G. Effects of a nonapeptide FTS on lymphocyte differentiations *in vitro,* **269,** 597
Braverman R. *see under* Cooper H. L., **269,** 527
Brecher K. and Wasserman I. General realativistic incompressibility, *matters arising,* **269,** 728
Bright H. J. *see under* Porter D. J. T., **269,** 213
Brodrick J. W. *see under* Largman C., **269,** 168
Brookes J. *see under* Wickramasinghe N. C., **269,** 674
Brown M. F. and Seelig J. Ion-induced changes in head group conformation of lecithin bilayers, **269,** 721
Brown R. S. *see under* Finch J. T., **269,** 29
see under Simoncsits A., **269,** 833
Brownlee G. G. *see under* Simoncsits A., **269,** 833
Brownstein M. J., Robinson A. G. and Gainer H. Immunological identification of rat neurophysin precursors, **269,** 259
Brugge J. S. and Erikson R. L. Identification of a transformation-specific antigen induced by an avian sarcoma virus, **269,** 346
Buccheri R. *see under* Hermsen W., **269,** 494
Bucheler J. *see under* Kleihues P., **269,** 625
Buczko Cs. M., and Vas L. Effect of climate on chemical composition of fossil bones, **269,** 792
Bull K. R., Murton R. K., Osborn D., Ward P. and Cheng L. High levels of cadmium in Atlantic seabirds and seaskaters, **269,** 507
Burdeshaw J. A. *see under* Harrison S. D., **269,** 511
Burhop E. From détente to development, *news,* **269,** 187
Burke W. *see under* Coscia C. J., **269,** 617
Burn R. W. *see under* Thomson M. R. A., **269,** 139
Burns R. Ciliar dyneins, *news and views,* **269,** 559
Butcher E. C. *see under* Baulch R. N. E., **269,** 497
Butler K. W. *see under* Stockton G. W., **269,** 267
Byrne H. M. *see under* Newman F. C., **269,** 790
Cabral J. R. P., Shubik P., Mollner T. and Raitano F. Carcinogenic activity of hexacholorobenzene in hamsters, **269,** 510
Cady E. B. and Ritchings R. T. Pulsar interpulses and other off-pulse emission, **269,** 126
Cahn R. W. Irrepressible superconductor, *news and views,* **269,** 198
Callender R. H. *see under* Green B. H., **269,** 179
Calvert P. Diffusion in polymers, *news and views,* **269,** 290
Calvin M. *see under* Meehan T., **269,** 725
Carrell H. L. *see under* Neidle S., **269,** 304
Carter B. L. A. *see under* Jagadish M. N., **269,** 145
Cattanach B. M., Iddon C. A., Charlton H. M., Chiappa S. A. and Fink G. Gonadotrophin-releasing hormone deficiency in a mutant mouse with hypogonadism, **269,** 338
Challis J. R. G. and Torosis J. D. Is alpha MSH a trophic hormone to adrenal function in the foetus? **269,** 818
Chandley A. C. *see under* Hotta Y., **269,** 240
Chang C. *see under* Mora P. T., **269,** 36
Chang C., Luborsky S. W. and Mora P. T. Tumour-specific transplantation antigen from SV40 transformed cells binds to DNA, **269,** 438
Chantrenne H. Oocyte microinjection, *news and views,* **269,** 202
Chapman M. J. *see under* Pairault J., **269,** 607
Chaponnier C. *see under* Gabbiani G., **269,** 697
Charo I. F., Feinman R. D., Detwiler T. C., Smith J. B., Ingerman C. M. and Silver M. J. Prostaglandin endoperoxides and thromboxane A_2 can induce platelet aggregation in the absence of secretion, **269,** 66
Cheeseright P. Planning Antarctica's future, *news,* **269,** 639
Cheney D. L. and Seyfarth R. M. Behaviour of adult and immature male baboons during inter-group encounters, **269,** 404
Cheng L. *see under* Bull K. R., **269,** 507
Cheng L., Hodge V. F. and Lewin R. A. Polonium and plutonium in an intertidal food chain, **269,** 795
Cheramy A. *see under* Nieoullon A., **269,** 340
Cheung N. H. *see under* Schimmer B. P., **269,** 162
Chilton M-D. *see under* Drummond M. H., **269,** 535
Choi D. W., Farb D. H. and Fischbach G. D. Chlordiazepoxide selectively augments GABA action in spinal cord cell cultures, **269,** 342
Clark G. W. *see under* Bradt H. V., **269,** 21
Clark J. A. and Lingle C. S. Future sea-level changes due to West Antarctic ice sheet fluctuations, **269,** 206
Clegg J. B. *see under* Old J., **269,** 524
Close S. E. What price free quarks?, *news and views,* **269,** 753
Clutton-Brock T. H., Harvey P. H. and Rudder B. Sexual dimorphism, socionomic sex ratio and body weight in primates, **269,** 797
Coe R. S. Source models to account for Lake Mungo palaeomegnetic excursion and their implications, **269,** 49
Cohen D. *see under* Goldfine I. D., **269,** 698
Cole R. D. *see under* Wiche G., **269,** 435
Coleman M. *see under* Irwin H., **269,** 209
Colinvaux C. Pollen Analysis at INQUA, *news and views,* **269,** 758
Collins P. WHO's show on the road, *news,* **269,** 550
Comi P. *see under* Ottolenghi S., **269,** 356
Conconi F. *see under* Ottolenghi S., **269,** 356
Connors P. A. and Stark R. F. Observable gravitational effects on polarised radiation coming from near a black hole, **269,** 128
Conway G. R. Mathematical models in applied ecology, *review article,* **269,** 291
Cook J. C. Jr. *see under* Rinehart K. L. Jr, **269,** 832
Cooper H. L. and Braverman R. The mechanism by which actinomycin D inhibits protein synthesis in animal cells, **269,** 527
Cooperstock F. I. and Sarracino R. S. General relativistic incompressibility — Reply, *matters arising,* **269,** 728
Cooter R. J. and Baker P. S. Weis-Fogh clap and fling mechanism in *Locusta,* **269,** 53
Coscia C. J., Burke W., Jamroz G., Lasala J. M., McFarlane J., Mitchell J., O'Toole M. M. and Wilson M. L. Occurrence of a new class of tetrahydroisoquinoline alkaloids in L-dopa-treated parkinsonian patients, **269,** 617
Costa J., Rabson A. S., Yee C. and Tralka T. S. Immunoglobulin biding to herpes virus-induced Fc receptors inhibits virus growth, **269,** 251
Coster H. G. L. *see under* Ashcroft R. G., **269,** 819
Cotran R. S. *see under* Polverini P. J., **269,** 804
Couchman P. R. and Jesser W. A. Thermodynamic theory of size dependence of melting temperature in metals, **269,** 481
Couvillion L. *see under* Mora P. T., **269,** 36
Craig R. Actin cables, *news and views,* **269,** 106
Cramer F. *see under* Klukas C. K., **269,** 262
Cranshaw T. E. *see under* Edwards B. C., **269,** 47
Crawford B. D. *see under* Leavitt J. C., **269,** 63
Croft G. and Fuller M. J. Water-promoted oxidation of carbon monoxide over tin (IV) oxide-supported palladium, **269,** 585
Cronin J. E. *see under* Sarich V. M., **269,** 354
Crumpton M. J. *see under* Walsh F. S., **269,** 307
Curtis C. *see under* Irwin H., **269,** 209
Dahlgren M. E. *see under* Humes J. L., **269,** 149
Daimon t. *see under* Sugi H., **269,** 436
Dass S. *see under* Vijendran P., **269,** 232
Dastillung M. and Albrecht P. $A^{1,2}$-Sternes as diagentic intermediates in sediments, **269,** 678
Davidsen A. F., Hartig G. F. and Fastie W. G. Ultraviolet spectrum of quasi-stellar object 3C273, **269,** 203
Davidson W. G. *see under* Scaramuzzi R. J., **269,** 817
Davies G. Charge states of the vacancy in diamond, **269,** 498
Davies N. B. and Halliday T. R. Optimal mate selection in the toad *Bufo bufo,* **269,** 56
Davies P. *see under* Humes J. L., **269,** 149
Davies P. C. W. Primaeval heavy leptons, *news and views,* **269,** 560
Davis J. H. *see under* Stockton G. W., **269,** 267
Davis R. P. *see under* Rasmussen S. A., **269,** 249
Dawson K. *see under* Hurst P. R., **269,** 331
De Weer P. *see under* Begenisch T., **269,** 710
Deakin J. F. W. *see under* Geisow M. J., **269,** 167
DeFelice L. J. and Alkon D. L. Voltage noise from hair cells during mechanical stimulation, **269,** 613
Degens E. T., Khoo F. and Michaelis W. Uranium anomaly in Black Sea sediments, **269,** 566
del Senno L. *see under* Ottolenghi S., **269,** 356
Delcomyn F. Corollary discharge to cockroach giant interneurones, **69,** 160
Denine E. P. *see under* Harrison S. D., **269,** 511

Derjaguin B. V., Fedoseev D. V., Varnin V. P. and Vnukov S. P. The nature of metastable phases of carbon, **269,** 398

Derwent R. G. *see under* Apling A. J., **269,** 569

Desjardins C. *see under* Ewing L. L., **269,** 409

Detwiler T. C. *see under* Charo I. F., **269,** 66

Deutsch E. R., Rao K. V., Laurent R. and Seguin M. K. New evidence and possible origin of native iron in ophiolites of eastern Canada, **269,** 684

DeVries A. L. *see under* Haschemeyer A. E. V., **269,** 87

Dexter T. M. and Moore M. A. S. *In vitro* duplication and 'cure' of haemopoietic defects in genetically anaemic mice, **269,** 412

Diamond L., O'Brien T. G. and Rovera G. Inhibition of adipose conversion of 3T3 fibroblasts by tumour promoters, **269,** 247

Dianzani F. *see under* Ohtsuki K., **269,** 536

Dieringer N. and Precht W. Modification of synaptic input following unilateral labyrinthectomy, **269,** 431

Dismukes K. New look at the aminergic nervous system, *news and views*, **269,** 357

Two-faced neurones, *news and views*, **269,** 104

Dorozynski A. The French 'nuclear war', *news*, **269,** 3

dos Santos P. M. *see under* Kaufmann P., **269,** 311

Dostrovsky J. O. *see under* Geisow M. J., **269,** 167

Douglas A. E. Origin of diffuse interstellar lines, **269,** 130

Dowdall M. J., Fohlman J. P. and Eaker D. Inhibition of high-affinity choline transport in peripheral cholinergic endings by presynaptic snake venom neurotoxins, **269,** 700

Dower R. *see under* Bradt H. V., **269,** 496

see under Bradt H. V., **269,** 21

Dower R. G. *see under* Doxsey R. E., **269,** 112

Doxsey R. *see under* Bradt H. V., **269,** 21

Doxsey R. E., APPARAO K. M. V., Bradt H. V., Dower R. G. and Jernigan J. G. Positions of galatic X-ray sources: $20° < l^{II} < 55°$, **269,** 112

Drummond M. H., Gordon M. P., Nester E. W. and Chilton M-D. Foreign DNA of bacterial plasmid origin is transcribed in crown gall tumours, **269,** 535

Duncan G. *see under* Pynsent P. B., **269,** 257

Dunham P. B. *see under* Robinson J. D., **269,** 165

Dwight E. *see under* Mendelsohn M. H., **269,** 45

Dyck P. J. *see under* Low P. A., **269,** 427

Eaker D. *see under* Dowdall M. J., **269,** 700

Eckstein P. *see under* Hurst P. R., **269,** 331

Edalji R. *see under* Benesch R. E., **269,** 772

Edmunds M. G. Giant molecular clouds, *news and views*, **269,** 105

Edwards B. C., Eyre B. L. and Cranshaw T. E. Ni–Sn interaction in temper embrittled steel detected by Mössbauer spectroscopy, **269,** 47

Edwards S. Rewarding solid state, *news*, **269,** 744

Efanov V. A., Moiseev I. G., Nesterov N. S. and Shakhovskoy N. M. Rapid fluctuations of radio flux and polarisation in quasar 3C273, **269,** 493

Eggleton A. E. J. *see under* Apling A. J., **269,** 569

Eicher E. M. *see under* Eppig J. J., **269,** 517

see under Stevens L. C., **269,** 515

Ennis F. A., Martin W. J. and Verbonitz M. W. Cytotoxic T lymphocytes induced in mice by inactivated influenza virus vaccine, **269,** 418

Eppig J. J., Kozak L. P., Eicher E. M. and Stevens L. C. Ovarian teratomas in mice are derived from oocytes that have completed the first meiotic division, **269,** 517

Erickson S. K. *see under* Macklin W. B., **269,** 447

Erikson R. L. *see under* Brugge J. S., **269,** 346

Essex M. *see under* Francis D. P., **269,** 252

Evans L. *see under* Swallow D. M., **269,** 261

Evans P. D. *see under* Treherne J. E., **269,** 796

Ewing L. L., Desjardins C., Irby D. C. and Robaire B. Synergistic interaction of testosterone and oestradiol inhibits spermatogenesis in rats, **269,** 409

Eyre B. L. see under Edwards B. C., **269,** 47

Fabian A. C. Electron scattering in X ray-emitting galaxies, **269,** 672

Fain G. L., Quandt F. N. and Gerschenfeld H. M. Calcium-dependent regenerative responses in rods, **269,** 707

Fall-Persson M. *see under* Holmgren J., **269,** 602

Fanestil D. D. *see under* Baker M. E., **269,** 810

Faras A. J. *see under* Krzyzek R. A., **269,** 175

Farb D. H. *see under* Choi D. W., **269,** 342

Fastie W. G. *see under* Davidsen A. F., **269,** 203

Fedoseev D. V. *see under* Derjaguin B. V., **297,** 398

Feinman R. D. *see under* Charo I. F., **269,** 66

Fellous M. *see under* Tursz T., **269,** 806

Feltz A. *see under* Adams P. R., **269,** 609

Fentiman I. S. and Taylor-Papadimitriou J. Cultured human breast cancer cells lose selectivity in direct intercellular communication, **269,** 156

Fibiger H. C. *see under* Mason S. T., **269,** 704

Filippidis E. and Meneghini R. Evidence for alkali-sensitive linkers in DNA of African green monkey kidney cells, **269,** 445

Filloux J. H. Ocean-floor magnetotelluric sounding over North Central Pacific, **269,** 297

Finch J. T., Lutter L. C., Rhodes D., Brown R. S., Rushton B., Levitt M. and Klug A. Structure of nucleosome core particles of chromatin, **269,** 29

Fink G. Inadvertant collaboration, *news*, **269,** 747

Fink G. R. *see under* Hicks J., **269,** 265

Fiorentini A. and Maffei L. Instability of the eye in the dark and the proprioception, **269,** 330

Fischbach G. D. *see under* Choi D. W., **269,** 342

Fletcher J. M. European tree-trunks reveal post-glacial changes, **269,** 652

Floyd P. A. Rare earth element mobility and geochemical characterisation of spilitic rocks, **269,** 134

Flügel H. Ultrastructure of the spermatophores of *Siboglinum ekmani* Jägersten (Pogonophora), **269,** 800

Fohlman J. P. *see under* Dowdall M. J., **269,** 700

Forget B. G. and Hillman D. G. Beta-globin mRNA in Ferrara $Beta^0$-thalassaemia, *matters arising*, **269,** 355

Foster P. L. Copper exclusion as a mechanism of heavy metal tolerance in a green alga, **269,** 322

Foster W. A. *see under* Treherne J. E., **269,** 796

Fowler S. W. Trace elements in zooplankton particulate products, **269,** 51

Franceschini N. *see under* Kirschfeld K., **269,** 386

Francis D. P., Essex M. and Hardy W. D. Jr. Excretion of feline leukaemia virus by naturally infected pet cats, **269,** 252

Frank-Kamenetskii M. D. and Vologodskii A. V. The nature of the fine structure of DNA melting curves, *matters arising*, **269,** 729

Freeland W. J. Blood-sucking flies and primate polyspecific associations, **269,** 801

Freeman J. A. Possible regulatory function of acetylcholine receptor in maintenance of retinotectal synapses, **269,** 218

Fridman W. H. *see under* Tursz T., **269,** 806

Frimout D. *see under* Ackerman M., **269,** 226

Fuller M. J. *see under* Croft G., **269,** 585

Gabbiani G., Chaponnier C., Zumbe A. and Vassalli P. Actin and tubulin co-cap with surface immunoglobulins in mouse B lymphocytes, **269,** 697

Gabrielli F. and Baglioni C. Regulation of maternal mRNA translation in developing embryos of the surf clam *Spisula solidissima*, **269,** 529

Gage P. W. *see under* Van Helden D., **269,** 711

Gainer H. *see under* Brownstein M. J., **269,** 259

Gan Y-Y., Robertson F. W., Ashton P. S., Soepadmo E., and Lee D. W. Genetic variation in wild populations of rainforest trees, **269,** 323

Gardner E. L. *see under* Marotta R. F., **269,** 513

Garel J. P. and Keith G. Nucleotide sequence of *Bombyx mori* L. $tRNA_1^{Gly}$, **269,** 350

Gearhart P. J. Nonsequential expression of multiple immunoglobulin classes by isolated B cell clones, **269,** 812

Gebbie H. A. *see under* Moffat P. H., **269,** 676

Gee J. D., Whitehead D. L. and Koolman J. Steroids stimulate secretion by insect Malpighian tubules, **269,** 238

Geel S. E. Development-related changes of triiodothyronine binding to brain cytosol receptors, **269,** 428

Geisler N. *see under* Jovin T. M., **269,** 668

Geisow M. J. Disulphide bonds and protein folding, *news and views*, **269,** 9

Geisow M. J., Deakin J. F. W., Dostrovsky J. O. and Smyth D. G. Analgesic activity of lipotropin C fragment depends on carboxyl terminal tetrapeptide, **269,** 167

Geokas M. C. *see under* Largman C., **269,** 168

Gerschenfeld H. M. *see under* Fain G. L., **269,** 707

Giglioni B. *see under* Ottolenghi B., **269,** 356

Gilmour D. G. *see under* Brand A., **269,** 597

Gimbrone M. A. Jr. *see under* Polverini P. J., **269,** 804

Gitler C. *see under* Karlish S. J. D., **269,** 715

Glowinski J. *see under* Nieoullon A., **269,** 340

Glusker J. P. *see under* Neidle S., **269,** 304

Glusman M. *see under* Marotta R. F., **269,** 513

Goldanskii V. I. Interstellar grains as possible cold seeds of life, **269,** 583

Goldberg E. D. *see under* Koide M., **269,** 137

Goldfine I. D., Vigneri R., Cohen D., Pliam N. B. and Kahn C. R. Intracellular binding sites for insulin are immunologically distinct from those on the plasma membrane, **269,** 698

Goldreich P. and Nicholson P. Revenge of tiny Miranda, **269,** 783

Goldstein G. *see under* Brand A., **269,** 597

Gordon M. P. *see under* Drummon M. H., **269,** 535

Gormus R. *see under* Sheppard J. R., **269,** 693

Gould H. *see under* Klukas C. K., **269,** 262

Green B. H., Monger T. G., Alfano R. R., Aton B. and Callender R. H. *Cis-trans* isomerisation in rhodopsin occurs in picoseconds, **269,** 179

Green H. *see under* Sun T.-T., **269,** 489

Green J. P. and Maayani S. Tricyclic antidepressant drugs block histamine H_2 receptor in brain, **269,** 163

Griffith T. C. and Heyland G. R. The mean lifetime of orthopositronium in vacuum, *review article*, **269,** 109

Grimwade S. Carbon fixation pathways, *news and views*, **269,** 201

Grobstein P. and Comer C. Post-metamorphic eye migration in *Rana* and *Xenopus*, **269,** 54

Gross E. *see under* Pert C. B., **269,** 73

Grossman L. *see under* Lattimer J. M., **269,** 116

Gruen D. M. *see under* Mendelsohn M. H., **269,** 45

Grzeskowiak K. *see under* Jeffrey A. M., **269,** 348

Guilley H. *see under* Simoncsits A., **269,** 833

Guschlbauer W. *see under* Haschemeyer A. E. V., **269,** 87

Haedrich R. L. and Towe G. T. Megafaunal biomass in the deep sea, **269,** 141

Hall E. S. *see under* Robinson J. D., **269,** 165

Hallam A. Secular changes in marine inundation of USSR and North America through the Phanerozoic, **269,** 769

Hamill O. P. *see under* Van Helden D., **269,** 711

Hamilton W. D. and May R. M. Dispersal in stable habitats, **269,** 578

Hampton L. *see under* Apling A. J., **269,** 569

see under Apling A. J., **269,** 569

Hanash S. M., Winter W. P. and Rucknagel D. L. Synthesis of haemoglobin Wayne in erythroid cells, **269,** 717

Haq B. U., Berggren W. A. and Van Couvering J. A. Corrected age of the Pliocene/Pleistocene boundary, **269,** 483

Harbour D. S. *see under* Boalch G. T., **269,** 687

Hard G. C. *see under* Toh B. H., **269,** 695

Hardy W. D. Jr. *see under* Francis D. P., **269,** 252

Hardyck C., Tzeng O. J. L. and Wang W. S-Y. Cerebral lateralisation effects in visual half-field experiments, **269,** 705

Harris C. *see under* Jeffrey A. M., **269,** 348

Harris D. E. *see under* Strom R. G., **269,** 581

Harrison J. G. *see under* Perry D. A., **269,** 509

Harrison S. D. Jr, Hixon E. J., Burdeshaw J. A. and Denine E. P. Effect of aspirin administration on retinoic acid toxicity in mice, **269,** 511

Hartig G. F. *see under* Davidsen A. F., **269,** 203

Harvey P. H. *see under* Clutton-Brock T. H., **269,** 797

Harvey R. G. *see under* Jeffrey A. M., **269,** 348

Haschemeyer A. E. V., Guschlbauer W. and DeVries A. L. Water binding by antifreeze glycoproteins from Antarctic fish, **269,** 87

Hatcher V. B. *see under* Thomas C. A., **269,** 521

Hay A. Identifying carcinogens, *news and views*, **269,** 468

Heacock R. R. and Hunsucker R. D. Pi 1–2 magnetic field pulsations on dayside cleft field lines, **269,** 313

Hearn D. R. *see under* Bradt H. V., **269,** 21

Hees M. *see under* Uterman G., **269,** 604

Hegde U. C. *see under* Shastry P. R., **269,** 58

Hengartner H. *see under* Luzzati A. L., **269,** 419

Hermsen W., Swanenburg B. N., Bignami G. F., Boella G., Buccheri R., Scarsi L., Kanbach G., Mayer-Hasselwander H. A., Masnou J. L., Paul J. A., Bennett K., Higdon J. C., Lichti G. G., Taylor B. G. and Wills R. D. New high energy gamma-ray sources observed by COS B., **269,** 494

Herrlich P. *see under* Ponta H., **269,** 440

Herron M. M. *see under* Koide M., **269,** 137

Hey R. D. *see under* Bathurst J. C., **269,** 504

Heyland G. R. *see under* Griffiths T. C., **269,** 109

Hibbs J. B. Jr. *see under* Weinberg J. B., **269,** 245

Hicks J. and Fink G. R. Identification of chromosomal location of yeast DNA from hybrid plasmid *pYeleu 10*, **269,** 265

Higdon J. C. *see under* Hermsen W., **269,** 494

Hillman D. G. *see under* Forget B. G., **269,** 355

Hincks E. P., Sundaresan M. K. and Watson P. J. S. Muon catalysis of hot fusion, **269,** 584

Hiramatsu T. *see under* Wydro R. M., **269,** 824

Hirsch-Kauffman H. *see under* Ponta H., **269,** 440

Hixon E. J. *see under* Harrison S. D. Jr, **269,** 511

Hjorth-Simonsen A. *see under* Laurberg S., **269,** 158

Hockley D. J. *see under* McLaren D. J., **269,** 147

Hodge V. F. *see under* Cheng L., **269,** 795

Hodgson T. E. New measurement of nucleon optical potential, *news and views*, **269,** 756

Hofhuis F. M. A. *see under* Van Der Meer C., **269,** 594

Holdsworth G. Surge activity on the Barnes Ice Cap, **269,** 588

Holmes R. P. and Stewart P. R. Calcium uptake during mitosis in the myxomycete *Physarum polycephalum*, **269,** 592

Holmgren J., Svennerholm A.-M., Lönnroth I., Fall-Persson M., Markman B. and Lundbeck H. Development of improved cholera vaccine based on subunit toxoid, **269,** 602

Honig L. S. *see under* Wiche G., **269,** 435

Hopkinson D. A. *see under* Swallow D. M., **269,** 261

Hotta Y., Chandley A. C. and Stern H. Meiotic crossing-over in lily and mouse, **269,** 240

Howie R. A. *see under* Ilyukhin V. V., **269,** 397

Howie R. A. and Ilyukhin V. V. Crystal structure of rustumite, **269,** 231

Hoyle F. *see under* Wickramasinghe N. C., **269,** 674

Hsie A. W. *see under* O'Neill J. P., **269,** 815

Hünig T. *see under* Wecker E., **269,** 598

Hubel D. H., Wiesel T. N. and Stryker M. P. Orientation columns in macaque monkey visual cortex demonstrated by the 2-deoxyglucose autoradiographic technique, **269,** 328

Hudson P. R. W. and Phakey P. P. Defects in natural type IB diamond, **269,** 227

Hughes D. W. New look at meteor streams? *news and views*, **269,** 107

Planetary crater retention ages, *news and views*, **269,** 197

Hughes R. C. Recognition of lysosomal enzymes, *news and views*, **269,** 288

Humes J. L., Bonney R. J., Pelus L., Dahlgren M. E., Sadowski S. J., Kuehl F. A. Jr, and Davies P. Macrophages synthesise and release prostaglandins in response to inflammatory stimuli, **269,** 149

Hunsucker R. D. *see under* Heacock R. R., **269,** 313

Hunt G. E. Weather on Neptune, *news and views*, **269,** 10

Hurst P. R., Jefferies K., Eckstein P., Dawson K. and Wheeler A. G. Leukocytes are consistently associated with degenerating embryos in IUD-bearing rhesus monkeys, **269,** 331

Husimi Y. *see under* Wada A., **269,** 352

Ilyukhin V. V. *see under* Howie R. A., **269,** 231

Ilyukhin V. V., Nevsky N. N., Bickbau M. J. and Howie R. A. Crystal structure of alinite, **269,** 397

Ingerman C. M. *see under* Charo I. F., **269,** 66

Irby D. C. *see under* Ewing L. L., **269,** 409

Irvin A. D. and Young E. R. Possible *in vitro* test for screening drugs for activity against *Babesia* and blood protozoa, **269,** 407

Irwin H., Curtis C. and Coleman M. Isotopic evidence for source of diagenetic carbonates formed during burial of organic-rich sediments, **269,** 209

Jagadish M. N. and Carter B. L. A. Genetic control of cell division in yeast cultured at different growth rates, **269,** 145

Jamieson G. A. *see under* Bolin R. B., **269,** 69
Jamroz G. *see under* Coscia C. J., **269,** 617
Jansen J. C., van Koningsveld H. and Reedijk J. The first cubane-type fluoro-bridged cluster, **269,** 318
Jefferies K. *see under* Hurst P. R., **269,** 331
Jeffrey A. M., Weinstein I. B., Jennette K. W., Grzeskowiak K., Nakanishi K., Harvey R. G., Autrup H. and Harris C. Structures of benzo(*a*)pyrene-nucleic acid adducts formed in human and bovine bronchial explants, **269,** 348
Jelalian K. *see under* Migeon B. R., **269,** 242
Jelkmann W. *see under* Bauer C., **269,** 325
Jennette K. W. *see under* Jeffrey A. M., **269,** 348
Jernigan J. G. *see under* Bradt H. V., **269,** 496
see under Bradt H. V., **269,** 21
see under Doxsey R. E., **269,** 112
Jesser W. A. *see under* Couchman P. R., **269,** 481
Jhamandas K., Sawynok J. and Sutak M. Enkephalin effects on release of brain acetylcholine, **269,** 433
Johnson J. H. *see under* Largman C., **269,** 168
Johnson K. G. *see under* Stockton G. W., **269,** 267
Johnson R. F. *see under* Berger W. H., **269,** 661
Jones G. H. S. High explosive analogue of the Tunguska Event — Reply, *matters arising,* **269,** 355
Jones H. G. Stress physiology of crop plants, *news and views,* **269,** 13
Jordan E. G. and Loening U. E. The nucleolus at Salmanca, *news and views,* **269,** 376
Jorgensen P. L. *see under* Karlish S. J. D., **269,** 715
Josefowicz J. Y. *see under* Luner S. J., **269,** 719
Joss P. C. *see under* Bradt H. V., **269,** 21
Josso N. *see under* Tran D., **269,** 411
Jovin T. M., Geisler N. and Weber K. Amino-terminal fragments of *Escherichia coli lac* repressor bind to DNA, **269,** 668
Jukes T. H. Energy for crops, *news,* **269,** 645
Iced tea or laetrile? *news,* **269,** 283
Molecular evolution, *news,* **269,** 464
Wilderness areas, *news,* **269,** 5
Junttila O. and Stushnoff C. Freezing avoidance by deep supercooling in hydrated lettuce seeds, **269,** 325
Kafri U. *see under* Karcz I., **269,** 234
Kahn C. R. *see under* Goldfine I. D., **269,** 698
Kanbach G. *see under* Hermsen W., **269,** 494
Karcz I., Kafri U. and Meshel Z. Archaeological evidence for Subrecent seismic activity along the Dead Sea–Jordan Rift, **269,** 234
Karlish S. J. D., Jorgensen P. L. and Gitler C. Identification of a membrane-embedded segment of the large polypeptide chain of (Na^+, K^+)ATPase, **269,** 715
Kass R. S. *see under* Siegelbaum S. A., **269,** 611
Kaufmann P., dos Santos P. M., Raffaelli J. C. and Scalise E. Jr. Possible fast variability of the nucleus of Cen A at 13.5 mm, **269,** 311
Kay A. B. *see under* Anwar A. R. E., **269,** 522
Kazazian H. H. Jr. *see under* Phillips J. A. III, **269,** 442
Keith G. *see under* Garel J. P., **269,** 350
Kelly P. M. Solar influence on North Atlantic mean sea level pressure, **269,** 320
Khoo F. *see under* Degens E. T., **269,** 566
Kidd R. B. *see under* Adams C. G., **269,** 383
Killingley J. S. *see under* Berger W. H., **269,** 661
King C. H. *see under* Austin S. M., **269,** 782
King E. A. and Arndt J. Water content of Russian tektites, **269,** 48
Kirschfeld K., Franceschini N. and Minke B. Evidence for a sensitising pigment in fly photoreceptors, **269,** 386
Kleihues P. and Bucheler J. Long-term persistence of O^6-methylguanine in rat brain DNA, **269,** 625
Klein G. *see under* Steinitz M., **269,** 420
Klein I. *see under* Schiffman F. J., **269,** 65
Kleinhofs A. *see under* Warner R. L., **269,** 406
Klepinger L. L., Kuhn J. K. and Thomas J. Jr. Prehistoric dental calculus gives evidence for coca in early coastal Ecuador, **269,** 506
Klinkhammer G., Bender M. and Weiss R. F. Hydrothermal manganese in the Galapagos Rift, **269,** 319
Klug A. *see under* Finch J. T., **269,** 29
Klukas C. K. Structural gene for myosin, *news and views,* **269,** 11
Klukas C. K., Cramer F. and Gould H. Translation of human immunoglobulin heavy chain mRNA *in vitro,* **269,** 262
Knacke R. F. Carbonaceous compounds in interstellar dust, **269,** 132
Knight P. Observation of photon antibunching, *news and views,* **269,** 647
Knox R. J. *see under* Luner S. J., **269,** 719
Kogut M. *see under* Wydro R. M., **269,** 824
Koide M., Goldberg E. D., Herron M. M. and Langway C. C. Jr. Transuranic depositional history in South Greenland firn layers, **269,** 137
Koolman J. *see under* Gee J. D., **269,** 238
Koskimies S. *see under* Steinitz M., **269,** 420
Kozak L. P. *see under* Eppig J. J., **269,** 517
Kozak M. Nucleotide sequences of 5′-terminal ribosome-protected initiation regions from two reovirus messages, **269,** 390
Kozhechkin S. N. and Ostrovskaya R. U. Are benzodiazepines GABA antagonists? **269,** 72
Krebs J. Communal nesting in birds, *news and views,* **269,** 200
Snow geese, lizards and sunbirds, *news and views,* **269,** 652
Kripke D. F. *see under* Lavie P., **269,** 142
Krishna G. Radio haloes around BL Lacertae objects AO0235+164 and 4C03.59, **269,** 780
Krogh E. J. Crustal and *in-situ* origin of Norwegian ecologites — Reply, *matters arising,* **269,** 730
Krugh T. R. and Young M. A. Daunorubicin and adriamycin facilitate actinomycin D binding to poly(dA-dT)·poly(dA-dT), **269,** 627
Krzyzek R. A., Lau A. F., Faras A. J. and Spector D. H. Post-transcriptional control of avian oncornavirus-transforming gene sequences in mammalian cells, **269,** 175
Kuehl F. A. Jr. *see under* Humes J. L., **269,** 149
Kuhn J. K. *see under* Klepinger L. L., **269,** 506
Kumazawa M. *see under* Shimamura H., **269,** 680
Kushner D. J. *see under* Wydro R. M., **269,** 824
Kuster J. M. *see under* Mora P. T., **269,** 36
Kwong S. *SEE UNDER* Benesch R. F., **269,** 772
Lamb T. D. *see under* Yau K.-W., **269,** [illegible]
Landsberg L. *see under* Young J. B., **269,** 615
Landsberger F. R. *see under* Altstiel L. D., **269,** 70
Lane A. C., Rance M. J. and Walter D. S. Subcellular localisation of leucine-enkephalin-hydrolysing activity in rat brain, **269,** 75
Langway C. C. Jr. *see under* Koide M., **269,** 137
Lappin M. A. Crustal and *in-situ* origin of Norwegian ecologites, *matters arising,* **269,** 730
Largman C., Johnson J. H., Brodrick J. W. and Geokas M. C. Proinsulin conversion to desalanyl insulin by alphas-macro- globin-bound trypsin, **269,** 168
Larsson L-I. and Rehfeld J. F. Evidence for a common evolutionary origin of gastrin and cholecystokinin, **269,** 335
Lasala J. M. *see under* Coscia C. J., **269,** 617
Lattimer J. M., Schramm D. N. and Grossman L. Supernovae, grains and the formation of the Solar System, **269,** 116
Lau A. F. *see under* Krzyzek R. A., **269,** 175
Laurberg S. and Hjorth-Simonsen A. Growing central axons deprived of normal target neurones by neonatal X-ray irridation still terminate in a precisely laminated fashion, **269,** 158
Laurent R. *see under* Deutsch E. R., **269,** 684
Laval J. Hapten-induced allosteric transition in the light chain dimer of immunoglobulin, **269,** 827
Lavie P. and Kripke D. F. Ultradian rhythms in urine flow in waking humans, **269,** 142
Lazarus G. S. *see under* Thomas C. A., **269,** 521
Le Couedic J. P. *see under* Benveniste J., **269,** 170
Lea J. T. Free calcium measurement in cells, *news and views,* **269,** 108
Leavitt J. C., Crawford B. D., Barrett J. C. and Ta'o P. O. P. Regulation of requirements for anchorage-independent growth of Syrian hamster fibroblasts by somatic mutation, **269,** 63
Lebofsky L. A. Identification of water frost on Callisto, **269,** 785
Lee L. Y. *see under* Suzuki N., **269,** 531
Leigh Brown A. J. Physiological correlates of an enzyme polymorphism,, **269,** 803
Lennon V. A. *see under* Westall F. C., **269,** 425
Lennox E. *see under* Sikora K., **269,** 813
Lerner M. P. *see under* Anglin J. H. Jr, **269,** 254
Levilliers J. *see under* Pairault J., **269,** 607
Levitt M. *see under* Finch J. T., **269,** 29
Lewandowski L. J. *see under* Palmer J. C., **269,** 595
Lewin R. A. *see under* Cheng L., **269,** 795
Lewis R. B. *see under* Purifoy D. J. M., **269,** 621
Lichti G. G. *see under* Hermsen W., **269,** 494
Liebermann D. and Sachs L. Type C RNA virus production and cell competence for normal differentiation in myeloid leukaemic cells, **269,** 173
Lilly F. *see under* Blank K. J., **269,** 808
Lin C. J. *see under* Warner R. L., **269,** 406
Lindenmeyer P. H. Surface area and secondary nucleation theory, **269,** 396
Lindley M. Do populations regulate themselves? *news and views,* **269,** 654
Lingle C. S. *see under* Clark J. A., **269,** 206
Lippincott J. A. Molecular basis of plant tumour induction, *news and views,* **269,** 465
Livingston H. D. and Bowen V. T. Windscale effluent in the waters and sediments of the Minch, **269,** 586
Lönnroth I. *see under* Holmgren J., **269,** 602
Lodish H. F. *see under* Rothman J. E., **269,** 775
Loening U. E. *see under* Jordan E. G., **269,** 376
Logan N. *see under* Marotta R. F., **269,** 513
Longley J. *see under* Old J., **269,** 524
Lopo A and Vacquier V. D. The rise and fall of intracellular rhoH of sea urchin eggs after fertilisation, **269,** 590
Lorens R. B. and Bender M. L. Physiological exclusion of magnesium from *Mytilus edulis* calcite, **269,** 793
Low P. A. and Dyck P. J. Increased endoneurial fluid pressure in experimental lead neuropathy, **269,** 427
Luborsky S. W. *see under* Chang C., **269,** 438
Lucchesi J. C. *see under* Roehrdanz R. L., **269,** 243
Lundbeck H. *see under* Holmgren J., **269,** 602
Luner S. J., Szklarek D., Knox R. J., Seaman G. V. F., Josefowicz J. Y. and Ware B. R. Red cell charge is not a function of cell age, **269,** 719
Lutter L. C. *see under* Finch J. T., **269,** 29
Luzzati A. L., Hengartner H. and Schreier M. H. Induction of plaque-forming cells in cultured human lymphocytes by combined action of antigen and EB virus, **269,** 419
Mäkelä O. *see under* Steinitz M., **269,** 420
Maayani S. *see under* Green J. P., **269,** 163
MacCallum M. Gravitation but no levitation, *news and views,* **269,** 201
Machida Y. *see under* Wada A., **269,** 352
Macklin W. B., Meyer D. J., Woodward D. O. and Erickson S. K. Chloramphenicol-sensitive labelling of protein in microsomes of *Neurospora crassa,* **269,** 447
Macrae W. R. *see under* Moffat P. H., **269,** 676
Madira W. *see under* Wydro R. M., **269,** 824
Maffei L. *see under* Fiorentini A., **269,** 330
Maley J. Palaeoclimates of Central Sahara during the early Holocene, **269,** 573
Markert T. H. *see under* Bradt H. V., **269,** 496
Markham C. G. and McLain D. R. Pacific sea-surface temperature related to rain in California, **269,** 501
Marotta R. F., Logan N., Potegal M., Glusman M. and Gardner E. L. Dopamine agonists induce recovery from surgically-induced septal rage, **269,** 513
Martelli G. and Newton G. Hypervelocity cratering and impact magnetisation of basalt, **269,** 478
Martin W. J. *see under* Ennis F. A., **269,** 418
Masnou J. L. *see under* Hermsen W., **269,** 494
Mason S. T. and Fibiger H. C. Altered exploratory behaviour after 6-OHDA lesion to the dorsal noradrenergic bundle, **269,** 704
Matuo Y. *see under* Wheeler G. L., **269,** 822
May R. M. *see under* Hamilton W. D., **269,** 578
Predators that switch, *news and views,* **269,** 103
Thresholds and breakpoints in ecosystems with a multiplicity of stable states, *review article,* **269,** 471
Mayer W. *see under* Bradt H. V., **269,** 21
Mayer-Hasselwander H. A. *see under* Hermsen W., **269,** 494
McAdam K. P. W. J. *see under* Ryan J. L., **269,** 153
McClintock J. *see under* Bradt H. V., **269,** 21
McFarland D. J. Decision making in animals, *review article,* **269,** 15
McFarland V. W. *see under* Mora P. T., **269,** 36
McFarlane J. *see under* Coscia C. J., **269,** 617
McLain D. R. *see under* Markham C. G., **269,** 501
McLaren D. J. and Hockley D. J. Blood flukes have a double outer membrane, **269,** 147
McMaster R. L., Schilling J-G. E. and Pinet P. R. Plate boundary within Tjörnes Fracture Zone on Northern Iceland's insular margin, **269,** 663
Meehan T., Straub K. and Calvin M. Benzo[*a*]pyrene diol epoxide covalently binds to deoxyguanosine and deoxyadenosine in DNA, **269,** 725
Meikle W. P. S. Upper limits for the radio pulse emission rate from exploding black holes, **269,** 41
Mellanby K. Cuisine minceur, *news,* **269,** 193
Dirty development, *news,* **269,** 371
Drill to till, *news,* **269,** 751
Food for energy, *news,* **269,** 101
Model report, *news,* **269,** 555
Mendelsohn M. H., Gruen D. M. and Dwight E. $LaNi_{5-x}Al_x$ is a versatile alloy system for metal hydride applications, **269,** 45
Meneghini R. *see under* Filippidis E., **269,** 445
Meng H. *see under* Rinehart K. L. Jr, **269,** 832
Meshel Z. *see under* Karcz I., **269,** 234
Meusy-Dessole N. *see under* Tran D., **269,** 411
Meyer D. J. *see under* Macklin W. B., **269,** 447
Michaelis W. *see under* Degens E. T., **269,** 566
Mierzejewski K. and Rozengurt E. Density-dependent inhibition of fibroblast growth is overcome by pure mitogenic factors, **269,** 155
Migeon B. R. and Jelalian K. Evidence for two active X chromosomes in germ cells of female before meiotic entry, **269,** 242
Miller D. J. Elementary particles — a rich harvest, *news and views,* **269,** 286
Miller S. *see under* Alahiotis S., **269,** 144
Minke B. *see under* Kirschfeld K., **269,** 386
Mitchell J. *see under* Coscia C. J., **269,** 617
Moffat P. H., Bohlander R. A., Macrae W. R. and Gebbie H. A. Atmospheric absorption between 4 and 30 cm^{-1} measured above Mauna Kea, **269,** 676
Moiseev I. G. *see under* Efanov V. A., **269,** 493
Moldow C. F. *see under* Sheppard J. R., **269,** 693
Mollner T. *see under* Cabral J. R. P., **269,** 510
Monger T. G. *see under* Green B. H., **269,** 179
Moore M. A. S. *see under* Dexter T. M., **269,** 412
Moore P. D. Disturbed environments, *news and views,* **269,** 375
Figs for wasps, *news and views,* **269,** 650
Mora P. T. *see under* Chang C., **269,** 438
Mora P. T., Chang C., Couvillion L., Kuster J. M. and McFarland V. W. Immunological selection of tumour cells which have lost SV40 antigen expression, **269,** 36
Morell J. L. *see under* Pert C. B., **269,** 73
Moretta L. *see under* Oldstone M. B. A., **269,** 333
Moroni C. and Schumann G. Are endogenous C-type viruses involved in the immune system? **269,** 600
Muller C. *see under* Ackerman M., **269,** 226
Munro A. J. and Taussig M. J. Complementation of immune response genes for (T, G)–A–L, *matters arising,* **269,** 355
Munro M. *see under* Piekarski K., 2269, 80
Murton R. K. *see under* Bull K. R., **269,** 507
Nagel R. L. *see under* Bookchin R. M., **269,** 526
Nakanishi K. *see under* Jeffrey A. M., **269,** 348
Narlikar J. V. Quantum uncertainty in the final state of gravitational collapse, **269,** 129
Neef G. and Veeh H. H. Uranium series ages and late Quaternary uplift in the New Hebrides, **269,** 682
Neidle S., Achari A., Taylor G. L., Berman H. M., Carrell H. L., Glusker J. P. and Stallings W. C. Structure of a dinucleoside phosphate-drug complex as model for nucleic acid-drug interaction, **269,** 304
Nelson D. R. Recent developments in phase transitions and critical phenomena, *review article,* **269,** 379
Nester E. W. *see under* Drummond M. H., **269,** 535
Nesterov N. S. *see under* Efanov V. A., **269,** 493
Nevsky N. N. *see under* Ilyukhin V. V., **269,** 397

Newman F. C., Proni J. R., Walter D. J. and Byrne H. M. Acoustic imaging of the New England shelf-slope water mass interfaces, **269,** 790
Newman W., Stoner G. L. and Bloom B. R. Primary *in vitro* sensitisation of human T cells, **269,** 151
Newton G. *see under* Martelli G., **269,** 478
Nicholson P. *see under* Goldreich P., **269,** 783
Nieoullon A., Cheramy A. and Glowinski J. Nigral and striatal dopamine release under sensory stimuli, **269,** 340
Nijssen J. *see under* Arend P., **269,** 255
Norden B. Linear dichroism probes to study internal electric fields, **269,** 314
Nordquist R. E. *see under* Anglin J. H. Jr, **269,** 254
O'Brien T. G. *see under* Diamond L., **269,** 247
O'Dell D. Egg activation, *news and views*, **269,** 558
Ohtsuki K., Dianzani F. and Baron S. Decreased initiation factor activity in mouse L cells treated with interferon, **269,** 536
Okada M. *see under* Sato K., **269,** 399
Okumura T. *see under* Bolin R. B., **269,** 69
Old J., Longley J., Wood W. G., Clegg J. B. and Weatherall D. J. Molecular basis for acquired haemoglobin H disease, **269,** 524
Oldstone M. B. A., Tishon A. and Moretta L. Active thymus derived suppressor lymphocytes in human cord blood, **269,** 333
Olson K. L. *see under* Rinehart K. L. Jr, **269,** 832
O'Neill J. P. and Hsie A. W. Chemical mutagenesis of mammalian cells can be quantified, **269,** 815
Osborn D. *see under* Bull K. R., **269,** 507
Ostrovskaya R. U. *see under* Kozhechkin S. N., **269,** 72
O'Toole M. M. *see under* Coscia C. J., **269,** 617
Ottolenghi S., Comi P., Giglioni B., Williamson R., Vullo G., del Senno L. and Conconi F. Beta-Globin mRNA in Ferrara Beta°-thalassaemia — Reply, *matters arising*, **269,** 356
Owen F. N. *see under* Ulrich M.-H., **269,** 673
Pagel B. E. J. Ultraviolet observation of a quasar spectrum, *news and views*, **269,** 195
Pairault J., Levilliers J. and Chapman M. J. Human serum lipoproteins activate adipocyte plasma membrane adenylate cyclase, **269,** 607
Palmer J. C., Lewandowski L. J. and Waters D. Non-infectious virus induces cytotoxic T lymphocytes and binds to target cells to permit their lysis, **269,** 595
Pandey R. C. *see under* Rinehart K. L. Jr, **269,** 832
Paterson M. S. and Wenk H. R. Stacking faults in dolomite, **269,** 789
Paul J. A. *see under* Hermsen W., **269,** 494
Pelham H. R. B. Use of coupled transcription and translation to study mRNA production by vaccinia cores, **269,** 532
Pellmar T. C. and Wilson W. A. Unconventional serotonergic excitation in *Aplysia*, 169, 76
Pelus L. *see under* Humes J. L., **269,** 149
Pendry J. Can surfaces of metals spontaneously distort? *news and views*, **269,** 8
Electron storage rings as lasers, *news and views*, **269,** 196
Perry D. A. and Harrison J. G. Pectolytic anaerobic bacteria cause symptoms of cavity spot in carrots, **269,** 509
Perryman M. A. C. and Ryle M. Observations of OE323(4C34.13), MO758+120 and OS210(4C28.40) with the 5-km telescope, **269,** 223
Pert A. *see under* Pert C. B., **269,** 73
Pert C. B., Bowie D. L., Pert A., Morell J. L. and Gross E. Agonist-antagonist properties of N-allyl-[D-Ala²]-Met-enkephalin, **269,** 73
Pfennig-Yeh M. *see under* Ponta H., **269,** 440
Phakey P. P. *see under* Hudson P. R. W., **269,** 227
Phillips J. A. III, Snyder P. G. and Kazazian H. H. Jr. Ratios of alpha- to beta-globin mRNA and regulation of globin synthesis in reticulocytes, **269,** 442
Piekarski K. and Munro M. Transport mechanism operating between blood supply and osteocytes in long bones, **269,** 80
Pinet P. R. *see under* McMaster R. L., **269,** 663
Pinson W. E. Quasi-Fermi level measurement in an illuminated GaP photoelectrolysis cell, **269,** 316
Pitha P. M. Interferon action revisited, *news and views*, **269,** 374
Pliam N. B. *see under* Goldfine I. D., **269,** 698
Polonsky J. *see under* Benveniste J., **269,** 170
Polverini P. J., Cotran R. S., Gimbrone M. A. Jr. and Unanue E. R. Activated macrophages induce vascular proliferation, **269,** 804
Ponta H., Reeve J. N., Pfennig-Yeh M., Hirsch-Kauffman H., Schweiger M. and Herrlich P. Productive T7 infection of *Escherichia coli* F⁺ cells and anucleate minicells, **269,** 440
Porter D. J. T., Bright H. J. and Voet D. X-ray structures of two oxidation states of a flavin–nicotinamide biscoenzyme and models for flavin-nicotinamide interactions, **269,** 213
Portugal F. H. Cell transformation with herpes simplex viruses, *news and views*, **269,** 196
Potegal M. *see under* Marotta R. F., **269,** 513
Potten C. S. Extreme sensitivity of some intestinal crypt cells to X and gamma irradiation, **269,** 518
Powell K. L. *see under* Purifoy D. J. M., **269,** 621
Precht W. *see under* Dieringer N., **269,** 431
Proni J. R. *see under* Newman F. C., **269,** 790
Purcell G. H. *see under* Wilkinson P. N., **269,** 764
Purifoy D. J. M., Lewis R. B. and Powell K. L. Identification of the herpes simplex virus DNA polymerase gene, **269,** 621
Pynsent P. B. and Duncan G. Reconstruction of photoreceptor membrane potentials from simultaneous intracellular and extracellular recordings, **269,** 257
Quandt F. N. *see under* Fain G. L., **269,** 707
Quenby J. J. Are galactic gamma rays point sources of diffuse emission? *news and views*, **269,** 466
Rabson A. S. *see under* Costa J., **269,** 251
Raffaelli J. C. *see under* Kaufmann P., **269,** 311
Raitano F. *see under* Cabral J. R. P., **269,** 510
Rall J. E. *see under* Roth J., **269,** 746
Ramanathan D. *see under* Vijendran P., **269,** 232
Rance M. J. *see under* Lane A. C., **269,** 75
Rao K. V. *see under* Deutsch E. R., **269,** 684
Rao S. S. *see under* Shastry P. R., **269,** 58
Rasmussen S. A. and Davis R. P. Effect of microtubular antagonists on lymphocyte mitogenesis, **269,** 249
Readhead A. C. S. *see under* Wilkinson P. N., **269,** 764
Redfearn J. IMS at the crossroads, *news*, **269,** 549
Reedijk J. *see under* Jansen J. C., **269,** 318
Reeve J. N. *see under* Ponta H., **269,** 440
Rehfeld J. F. *see under* Larsson L-I., **269,** 335
Rhodes D. *see under* Finch J. T., **269,** 29
Rich V. Two decades of Soviet space, *news*, **269,** 459
Rinehart K. L. Jr, Cook J. C. Jr, Meng H., Olson K. L. and Pandey R. C. Mass spectrometric determination of molecular formulas for membrane-modifying antibiotics, **269,** 832
Ritchings R. T. *see under* Cady E. B., **269,** 126
Robaire B. *see under* Ewing L. L., **269,** 409
Robertson M. Immunoglobulin genes and the immune response, *news and views*, **269,** 648
Robinson A. G. *see under* Brownstein M. J., **269,** 259
Robinson A. J. *see under* Stillman B. W., **269,** 723
Robinson J. D., Hall E. S. and Dunham P. B. Reversal of the Na-K pump and apparent affinity for intracellular potassium, **269,** 165
Roehrdanz R. L. and Lucchesi J. C. Transcriptional controls and dosage compensation in *Drosophila melanogaster*, **269,** 243
Rosen J. M. and Socher S. H. Detection of casein messenger RNA in hormone-dependent mammary cancer by molecular hybridisation, **269,** 83
Roth J. and Rall J. E. Starting a revolution, *news*, **269,** 746
Rothenberg E., Smotkin D., Baltimore D. and Weinberg R. A. *In vitro* synthesis of infectious DNA of murine laukaemia virus, **269,** 122
Rothman J. E. and Lodish H. F. Synchronised transmembrane insertion and glycosylation of a nascent membrane protein, **269,** 775
Rovera G. *see under* Diamond L., **269,** 247
Rowe G. T. *see under* Haedrich R. L., **269,** 141
Rowlinson J. S. Thermodynamicist, *news*, **269,** 745
Rozengurt E. *see under* Mierzejewski K., **269,** 155
Rubin J. R. *see under* Simoncsits A., **269,** 833
Rucknagel D. L. *see under* Hanash S. M., **269,** 717
Rudder B. *see under* Clutton-Brock T. H., **269,** 797
Ruscoe C. N. E. *see under* Treherne J. E., **269,** 796
Rushton B. *see under* Finch J. T., **269,** 29
Rutter J. C. *see under* Willmer C. M., **269,** 327
Ryan J. L. and McAdam K. P. W. J. Genetic non-responsiveness of murine fibroblasts to bacterial endotoxin, **269,** 153
Ryan W. B. F. *see under* Adams C. G., **269,** 383
Ryle M. *see under* Perry M. A. C., **269,** 223
Sachs L. *see under* Liebermann D., **269,** 173
Sadowski S. J. *see under* Humes J. L., **269,** 149
Sagan C. Reducing greenhouses and the temperature history of Earth and Mars, **269,** 224
Sakurai K. Equatorial solar rotation and its relation to climatic changes, **269,** 401
Sakuyama M. Lateral variation of phenocryst assemblages in volcanic rocks of the Japanese islands, **269,** 134
Sanderson A. R. HLA 'help' for human B2-microglobulin across species barriers, **269,** 414
Sarich V. M. and Cronin J. E. Generation length and rates of hominoid molecular evolution, *matters arising*, **269,** 354
Sarracino R. S. *see under* Cooperstock F. I., **269,** 728
Sasaki M. S. Sister chromatid exchange and chromatid interchange as possible manifestation of different DNA repair processes, **269,** 623
Sato K. and Okada M. Etchings on large single crystals of stearic acid, **269,** 399
Sauer G. *see under* Waldeck W., **269,** 171
Saunders J. R. Degradative plasmids, *news and views*, **269,** 470
Sawynok J. *see under* Jhamandas K., **269,** 433
Scalise E. Jr. *see under* Kaufmann P., **269,** 311
Scaramuzzi R. J., Davidson W. G. and Van Look P. F. A. Increasing ovulation rate in sheep by active immunisation against an ovarian steroid androstenedione, **269,** 817
Scarsi L. *see under* Hermsen W., **269,** 494
Schiffman F. J. and Klein I. Rapid induction of amphotericin B sensitivity in L1210 leukaemia cells by liposomes containing ergosterol, **269,** 65
Schilling J-G. E. *see under* McMaster R. L., **269,** 663
Schimmer B. P., Tsao J. and Cheung N. H. Regulation of adenylate cyclase activity in glial-adrenal hybrid cells, **269,** 162
Schimpl A. *see under* Wecker E., **269,** 598
Schramm D. N. *see under* Lattimer J. M., **269,** 116
Schreier M. H. *see under* Luzzati A. L., **269,** 419
Schumann G. *see under* Moroni C., **269,** 600
Schweiger M. *see under* Ponta H., **269,** 440
Seaman G. V. F. *see under* Luner S. J., **269,** 719
Seelig J. *see under* Brown M. F., **269,** 721
Seguin M. K. *see under* Deutsch E. R., **269,** 684
Sellens M. H. Antigen expression on early mouse trophoblast **269,** 60
Senik A. *see under* Tursz T., **269,** 806
Seyfarth R. M. *see under* Cheney D. L., **269,** 404
Shakhovskoy N. M. *see under* Efanov V. A., **269,** 493
Sharp N. A. *see under* White S. D. M., **269,** 395
Sharp R. Desertification: another mirage? *news*, **269,** 367
Sharrock S. Voyage to the outer planets, *news*, **269,** 98
Shastry P. R., Hegde U. C. and Rao S. S. Use of Ficoll–sodium metrizoate density gradient to separate human X- and Y-bearing spermatozoa, **269,** 58
Shaw G. *see under* Wickramasinghe N. C., **269,** 674
Shaw T. L. Tethering the tide, *news*, **269,** 277
Sheppard J. R., Gormus R. and Moldow C. F. Catecholamine hormone receptors are reduced on chronic lymphocytic leukaemic lymphocytes, **269,** 613
Shield R. Gene derepression in tumours, *news and views*, **269,** 752
Shimamura H., Asada T. and Kumazawa M. High shear velocity layer in the upper mantle of the Western Pacific, **269,** 680
Shubik P. *see under* Cabral J. R. P., **269,** 510
Siegelbaum S. A., Tsien R. W. and Kass R. S. Role of intracellular calcium in the transient outward current of calf Purkinje fibres, **269,** 611
Sigurdsson H. Generation of Icelandic rhyolites by melting of plagiogranites in the oceanic layer, **269,** 25
Sikora K., Stern P. and Lennox E. Immunoprotection by embryonal carcinoma cells for methylcholanthrene-induced murine sarcomas, **269,** 813
Silver M. J. *see under* Charo I. F., **269,** 66
Simoncsits A., Brownlee G. G., Brown R. S., Rubin J. R. and Guilley H. New rapid gel sequencing method for RNA, **269,** 833
Skaer H. le B. *see under* Treherne J. E., **269,** 430
Smalley I. J. Poland's 'fifth problem', *news and views*, **269,** 755
Smith F. G. Polarisation in quasars, *news and views*, **269,** 467
Smith I. C. P. *see under* Stockton G. W., **269,** 267
Smith J. B. *see under* Charo I. F., **269,** 66
see under Charo I. F., **269,** 66
Smith J. R. *see under* Ashcroft R. G., **269,** 819
Smith P. J. Have gunk, will travel, *news and views*, **269,** 562
Origin of the Rio Grande rise, *news and views*, **269,** 651
The truth about the lower crust, *news and views*, **269,** 376
Thickness of the lithosphere, *news and views*, **269,** 199
Smotkin D. *see under* Rothenberg E., **269,** 122
Smyth D. G. *see under* Austen B. M., **269,** 619
see under Geisow M. J., **269,** 167
Snell C. R. *see under* Austen B. M., **269,** 619
Snyder P. G. *see under* Phillips J. A. III, **269,** 442
Snyderman R. *see under* Thomas C. A., **269,** 521
Socher S. H. *see under* Rosen J. M., **269,** 83
Spector D. H. *see under* Krzyzek R. A., **269,** 175
Spencer M. Nucleosome core structure, *news and views*, **269,** 7
Spiro B. and Aizenshtat Z. Bacterial sulphate reduction and calcite precipitation in hypersaline deposition of bituminous shales, **269,** 235
Squires R. F. *see under* Braestrup C., **269,** 702
Stallings W. C. *see under* Neidle S., **269,** 304
Stark R. F. *see under* Connors P. A., **269,** 128
Steinitz M., Klein G., Koskimies S. and Mäkelä O. EB virus-induced B lymphocyte cell lines producing specific antibody, **269,** 420
Steinmetz A. *see under* Uterman G., **269,** 604
Stern H. *see under* Hotta Y., **269,** 240
Stern P. *see under* Sikora K., **269,** 813
Sternglanz R. *see under* Alberts B., **269,** 655
Stevens L. C. *see under* Eppig J. J., **269,** 517
Stevens L. C., Varnum D. S. and Eicher E. M. Viable chimaeras produced from normal and parthenogenetic mouse embryos, **269,** 515
Stewart P. R. *see under* Holmes R. P., **269,** 592
Stillman B. W., Bellett A. J. D. and Robinson A. J. Replication of linear adenovirus DNA is not hairpin-primed, **269,** 725
Stirner H. *see under* Wernig A., **269,** 820
Stockton G. W., Johnson K. G., Butler K. W., Tulloch A. P., Boulanger Y., Smith I. C. P., Davis J. H. and Bloom M. Deuterium NMR study of lipid organisation in *Acholeplasma laidlawii* membranes, **269,** 267
Stoner G. L. *see under* Newman W., **269,** 151
Straub K. *see under* Meehan T., **269,** 725
Strom R. G. and Harris D. E. Radio emission from a normal HD26676 star, **269,** 581
Strong A. W. Identification of cosmic gamma-ray sources CG135+1 and CG189+1 with HII regions, **269,** 394
Strub S. Pattern regulation and transdetermination in *Drosophila* imaginal leg disk reaggregates, **269,** 688
Stryker M. P. *see under* Hubel D. H., **269,** 328
Stushnoff C. *see under* Junttila O., **269,** 325
Sugi H. and Daimon T. Translocation of intracellularly stored calcium during the contraction-relaxation cycle in guinea pig taenia coli, **269,** 436
Sullivan E. J. *see under* Apling A. J., **269,** 569
Sun T.-T. and Green H. Cultured epithelial cells of cornea, conjunctiva and skin: absence of marked intrinsic divergence of their differentiated states, **269,** 489
Sundaresan M. K. *see under* Hincks E. P., **269,** 584
Sussmann H. J. *see under* Zahler R. S., **269,** 759
Sutak M. *see under* Jhamandas K., **269,** 433
Suzuki N., Withers H. R. and Lee L. Y. Variability of DNA content of murine fibrosarcoma cells, **269,** 531
Svennerholm A.-M. *see under* Holmgren J., **269,** 602
Swallow D. M., Evans L. and Hopkinson D. A. Several of the adenosine deaminase isozymes are glycoproteins, **269,** 261
Swanenburg B. N. *see under* Hermsen W., **269,** 494
Swingland I. R. Reproductive effort and life history strategy of the Aldabran giant tortoise, **269,** 402
Szekeley M. Rapid RNA sequencing, *news and views*, **269,** 754
Szendrei T. and van Berge P. C. Alkali cations and direct reduction of wustite, **269,** 500
Szklarek D. *see under* Luner S. J., **269,** 719

Tabak R. G. Enhanced metal depletions and interstellar H_2 abundances, **269,** 582
Tachibana H. *see under* Wada A., **269,** 352
Tang T. B. Cancer conference in China, *news and views,* **269,** 378
Surveying the roof of the world, *news and views,* **269,** 12
Tata J. R. Modulation of hormone receptors, *news and views,* **269,** 757
Taussig M. J. *see under* Munro A. J., **269,** 355
Taylor B. G. *see under* Hermsen W., **269,** 494
Taylor G. L. *see under* Neidle S., **269,** 304
Taylor-Papadimitriou J. *see under* Fentiman I. S., **269,** 156
Tellez I. *see under* Bookchin R. M., **269,** 526
Tence M. *see under* Benveniste J., **269,** 170
Thierfelder S. Haemopoietic stem cells of rats but not of mice express Th−1.1 alloantigen, **269,** 691
Thomas C. A., Yost F. J. Jr, Snyderman R., Hatcher V. B. and Lazarus G. S. Cellular serine proteinase induces chemotaxis by complement activation, **269,** 521
Thomas J. Jr. *see under* Klepinger L. L., **269,** 506
Thompson M. *see under* Westall F. C., **269,** 425
Thomson M. R. A. and Burn R. W. Angiosperm fossils from latitude 70°S, **269,** 139
Thorne C. R. *see under* Bathurst J. C., **269,** 504
Tilley R. J. D. Correlation between dielectric constant and defect structure of non-stoichiometric solids, **269,** 229
Tishon A. *see under* Oldstone M. B. A., **269,** 333
Todaro G. J. and Benveniste R. E. Generation length and rates of hominoid molecular evolution — Reply, *matters arising,* **269,** 354
Toh B. H. and Hard G. C. Actin co-caps with concanavalin A receptors, **269,** 695
Torosis J. D. *see under* Challis J. R. G., **269,** 818
Tralka T. S. *see under* Costa J., **269,** 251
Tran D., Meusy-Dessolle N. and Josso N. Anti-Müllerian hormone is a functional marker of foetal Sertoli cells, **269,** 411
Treherne J. E., Bennett J. A. and Skaer H. le B. Aconal accessibility and adaptation to osmotic stress in an extreme osmoconformer, **269,** 430
Treherne J. E., Foster W. A., Evans P. D. and Ruscoe C. N. E. Free-running activity rhythm in the natural environment, **269,** 796
Tsao J. *see under* Schimmer B. P., **269,** 162
Tsapsis A. *see under* Tursz T., **269,** 806
Tsien R. W. *see under* Siegelbaum S. A., **269,** 611
Ts'o P. O. P. *see under* Leavitt J. C., **269,** 63
Tsuyumu S. Inducer of pectic acid lyase in *Erwinia carotovora,* **269,** 237
Tulloch A. P. *see under* Stockton G. W., **269,** 267
Tursz T., Fridman W. H., Senik A., Tsapis A. and Fellous M. Human virus-infected target cells lacking HLA antigens resist specific T-lymphocyte cytolysis, **269,** 806
Tzeng O. J. L. *see under* Hardyck C., **269,** 705
Ueno S. *see under* Wada A., **269,** 352
Ulrich M.-H. and Owen F. N. Absorption lines in the optical spectrum of quasar AO0827+24, **269,** 673
Unanue E. R. *see under* Polverini P. J., **269,** 804
Unwin P. N. T. Three-dimensional model of membrane-bound ribosomes obtained by electron microscopy, **269,** 118
Uterman G., Hees M. and Steinmetz A. Polymorphism of apolipoprotein E and occurrence of dysbetalipoproteinaemia in man, **269,** 604
Vacquier V. D. *see under* Lopo A., **269,** 590
van Berge P. C. *see under* Szendrei T., **269,** 500
Van Couvering J. A. *see under* Haq B. U., **269,** 483
Van Der Meer C., Hofhuis F. M. A. and Willers J. M. N. Killer *Listeria monocytogenes* vaccine becomes protective on addition of polyanions, **269,** 594
Van Helden D., Hamill O. P. and Gage P. W. Permeant cations alter endplate channel characteristics, **269,** 711
van Koningsveld H. *see under* Jansen J. C., **269,** 318
Van Look R. F. A. *see under* Scaramuzzi R. J., **269,** 817
Varnin V. P. *see under* Derjaguin B. V., **269,** 398
Varnum D. S. *see under* Stevens L. C., **269,** 515
Vas L. *see under* Buczko Cs. M., **269,** 792
Vassalli P. *see under* Gabbiani G., **269,** 697
Vaughan S. A theory for genetic regulation by chromosome folding, **269,** 86
Veeh H. H. *see under* Neeh G., **269,** 682
Verbonitz M. W. *see under* Ennis F. A., **269,** 418
Vigneri R. *see under* Goldfine I. D., **269,** 698
Vijendran P., Ramanathan D. and Dass S. Imaging practical surfaces in a field ion microscope, **269,** 232
Vnukov S. P. *see under* Derjaguin B. V., **269,** 398
Voet D. *see under* Porter D. J. T., **269,** 213
Intercalation complexes of DNA, *news and views,* **269,** 285
Volland H. Can sunspots influence our weather? **269,** 400
Vologodskii A. V. *see under* Frank-Kamenetskii M. D., **269,** 729
Vullo G. *see under* Ottolenghi S., **269,** 356
Wada A., Tachibana H., Ueno S., Husimi Y. and Machida Y. Melting fine structure of DNA fragments of known base sequence from PhiX174, **269,** 352
Waldeck W. and Sauer G. New oncogenic papova virus from primate cells, **269,** 171
Walker J. Coulson rules OE, *news and views,* **269,** 559
Waller R. E. *see under* Apling A. J., **269,** 569
Walsh F. S. and Crumpton M. J. Orientation of cell-surface antigens in the lipid bilayer of lymphocyte plasma membrane, **269,** 307
Walter D. J. *see under* Newman F. C., **269,** 790
Walter D. S. *see under* Lane A. C., **269,** 75
Walter F. *see under* Bradt H. V., **269,** 21
Wang W. S-Y. *see under* Hardyck C., **269,** 705
Ward P *see under* Bull K. R., **269,** 507
Wardle J. F. C. Upper limits on the Faraday rotation in variable radio sources, **269,** 563
Ware B. R. *see under* Luner S. J., **269,** 719
Warne S. St J. Carbonate mineral detection by variable atmosphere differential thermal analysis, **269,** 678
Warner R. L., Lin C. J. and Kleinhofs A. Nitrate reductase-deficient mutants in barley, **269,** 406
Wasserman I. *see under* Brecher K., **269,** 728
Waters D. *see under* Palmer J. C., **269,** 595
Watson P. J. S. *see under* Hincks E. P., **269,** 584
Weatherall D. J. *see under* Old J., **269,** 524
Weber K. *see under* Jovin T. M., **269,** 668
Wecker E., Schimpl A. and Hunig T. Expression of MuLV GP71-like antigen in normal mouse spleen cells induced by antigenic stimulation, **269,** 598
Weinberg J. B. and Hibbs J. B. Jr. Endocytosis of red blood cells or haemoglobin by activated macrophages inhibits their tumoricidal effect, **269,** 245
Weinberg R. A. *see under* Rothenberg E., **269,** 122
Weinstein I. B. *see under* Jeffrey A. M., **269,** 348
Weiss R. Has the *src* gene product been found? *news and views,* **269,** 287
Infectious provirus synthesised *in vitro, news and views,* **269,** 105
Weiss R. F. *see under* Klinkhammer G., **269,** 319
Wenk H. R. *see under* Paterson M. S., **269,** 789
Wernig A. and Stirner H. Quantum amplitude distributions point to functional unity of the synaptic 'active zone', **269,** 820
Westall F. C., Thompson M. and Lennon V. A. Hyperacute autoimmune encephalomyelitis induced by a synthetic autoantigen, **269,** 425
Wheeler A. G. *see under* Hurst P. R., **269,** 331
Wheeler G. L., Matuo Y. and Bitensky M. W. Light-activated GTPase in vertebrate photoreceptors, **269,** 822
White S. D. M. and Sharp N. A. Tidal interactions and the massive halo hypothesis, **269,** 395
Whitehead D. L. *see under* Gee J. D., **269,** 238
Wiche G., Honig L. S. and Cole R. D. Polymerising ability of Ca glial cell microtubule protein decays much faster than its colchicine-binding activity, **269,** 435
Wick M. M. L-Dopa methyl ester as a new antitumour agent, **269,** 512
Wickramasinghe N. C., Hoyle F., Brookes J. and Shaw G. Prebiotic polymers and infrared spectra of galactic sources, **269,** 674
Wiesel T. N. *see under* Hubel D. H., **269,** 328
Wilkinson P. N., Readhead A. C. S., Purcell G. H. and Anderson B. Radio structure of 3C147 determined by multi-element very long baseline interferometry, **269,** 764
Willers J. M. N. *see under* Van Der Meer C., **269,** 594
Williams M. L. *see under* Apling A. J., **269,** 569
Williamson B. Glomin hnRNA=pre-mRNA, *news and views,* **269,** 9
Williamson R. *see under* Ottolenghi B., **269,** 356
Willmer C. M. and Rutter J. C. Guard cell malic acid metabolism during stomatal movements, **269,** 327
Wills R. D. *see under* Hermsen W., **269,** 494
Wilson E. Ninety days and more, *news,* **269,** 640
Wilson M. L. *see under* Coscia C. J., **269,** 617
Wilson W. A. *see under* Pallmar T. C., **269,** 76
Withers H. R. *see under* Suzuki N., **269,** 531
Wood W. G. *see under* Old J., **269,** 524
Woodward D. O. *see under* Macklin W. B., **269,** 447
Woody J. N. Ly−6 is a T-cell differentiation antigen, **269,** 61
Woosley S. E. Neutrino-induced nucleosynthesis and deuterium, **269,** 42
Wright R. C. *see under* Adams C. G., **269,** 383
Wydro R. M., Madira W., Hiramatsu T., Kogut M. and Kushner D. J. Salt-sensitive *in vitro* protein synthesis by a moderately halophilic bacterium, **269,** 824
Yau K.-W., Lamb T. D. and Baylor D. A. Light-induced fluctuations in membrane current of single toad rod outer segments, **269,** 78
Yee C. *see under* Costa J., **269,** 251
Yost F. J. Jr. *see under* Thomas C. A., **269,** 521
Young E. R. *see under* Irvin A. D., **269,** 407
Young J. B. and Landsberg L. Stimulation of the sympathetic nervous system during sucrose feeding, **269,** 615
Young M. A. *see under* Krugh T. R., **269,** 627
Zahler R. S. and Sussmann H. J. Claims and accomplishments of applied catastrophe theory, *review article,* **269,** 759
Zumbe N. B. *see under* Gabbiani G., **269,** 697

nature

Author Index for Volume 270

November – December 1977
Numbers 5624 – 5639
Pages 1 – 772

Abrahamson E. W. *see under* Shriver J., **270,** 271
Achtman M. *see under* Kennedy N., **270,** 580
Adams G. K. III and Lichtenstein L. M. Antagonism of antigen-induced contraction of guinea pig and human airways, **270,** 255
Akagi H. *see under* Kudo A., **270,** 419
Akaka L. *see under* Hildemann W. H., **270,** 219
Albery W. J. and Archer M. D. Optimum efficiency of photogalvanic cells for solar energy conversion, **270,** 399
Alexandrushkina N. I. *see under* Kirnos M. D., **270,** 369
Allaart J. H. *see under* Moorbath S., **270,** 43
Allain J. Y. *see under* Mégie G., **270,** 329
Allison A. C. *see under* Prydz H., **270,** 173
Almond J. W. A single gene determines the host range of influenza virus, **270,** 617
Amos L. A. Tubulin assembly, *news and views,* **270,** 98
Anand Kumar T. C., David G. F. X. and Puri V. Ovulation in rhesus monkeys suppressed by intranasal administration of progesterone and norethisterone, **270,** 532
Anderson J. G. *see under* Deans E. A., **270,** 595
Anderson L. *see under* Mosbach K., **270,** 259
Anderson R. G. W., Goldstein J. L. and Brown M. S. A mutation that impairs the ability of lipoprotein receptors to localise in coated pits on the cell surface of human fibroblasts, **270,** 695
Angell J. K. *see under* Kukla G. J., **270,** 573
Anwar M., Khan T. H., Prebble J. and Zagalsky P. F. Membrane-bound carotenoid in *Micrococcus luteus* protects naphthoquinone from photodynamic action, **270,** 538
Apparao K. M. *see under* Doxsey R. E., **270,** 586
Apparao K. M. V. *see under* Jernigan J. G., **270,** 321
Archer M. D. *see under* Albery W. J., **270,** 399
Arpat E. *see under* Toksöz M. N., **270,** 423
Arthur E. *see under* Steel C. M., **270,** 349
see under Steel C. M., **270,** 729
Artzt K. *see under* Holden S., **270,** 518
Asai M. *see under* Higashide E., **270,** 721
Ashburner M. *see under* Thompson J. N. Jr, **270,** 363
Ashmore J. F. and Falk G. Dark noise in retinal bipolar cells and stability of rhodopsin in rods, **270,** 69
Askonas B. A. *see under* McMichael A. J., **270,** 524
Atal C. K. *see under* Saxena B. P., **270,** 512
Atkinson M. *see under* Harrison B. D., **270,** 760
Atlas R. M. *see under* Kaneko T., **270,** 596
Attardi D. G., Mattoccia E. and Tocchini-Valentini G. P. Formation of branched DNA structures by *Xenopus laevis* oocyte extract, **270,** 754
Atwater T. and Macdonald K. C. Are spreading centres perpendicular to their transform faults? **270,** 715
Avner P. *see under* Hogan B., **270,** 515
Bach F. H. *see under* Sugamura K., **270,** 251
Badgley C. *see under* Pilbeam D., **270,** 689
Baggaley W. J. Hollow meteor trains, **270,** 588
Bagust J. *see under* Lewis D. M., **270,** 745
Baillie M. G. L. *see under* Pearson G. W., **270,** 25
Baker C. W. Mercury in surface waters of seas around the United Kingdom, **270,** 230
Baker M. C. W. *see under* Francis P. W., **270,** 164
Baker R. E. *see under* Di Cocco G., **270,** 319
Baldwin R. W. Immune surveillance revisited, *news and views,* **270,** 557
Bappu M. K. V. *see under* Bhattacharyya J. C., **270,** 503
Barber J. and Halliwell B. Photosynthesis at Reading, *news and views,* **270,** 104
Barbet A. F. *see under* Musoke A. J., **270,** 438
Barbour M. S. *see under* Kemp J. C., **270,** 227
Barker H. *see under* Harrison B. D., **270,** 760
Barnaby W. Improving bench work, *news,* **270,** 3
Barrett T. Negative strand viruses, *news and views,* **270,** 388
Barry J. *see under* Pilbeam D., **270,** 684
Bartoe J.-D. F. *see under* Jordan C., **270,** 326
Barton S. C. *see under* Surani M. A. H., **270,** 601
Basch R. S., Janossy G. and Greaves M. F. Murine pluripotential stem cells lack Ia antigen, **270,** 520
Batchelor J. R., Brent L. and Kilshaw P. J. Absence of suppressor cells from rats bearing passively enhanced kidney allografts, **270,** 522
Batty C. J. *see under* Davies J. D., **270,** 667
Baxter J. D. *see under* Seeburg P. H., **270,** 486
see under Shine J., **270,** 494
Beach R. F. *see under* Carter R., **270,** 240
Bebien J. Mafic and ultramafic rocks associated with granites in the Vardar zone, **270,** 232
Becker R. H. *see under* Pravdo S. H., **270,** 158
Bedarkar S., Turnell W. G., Blundell T. L. and Schwabe C. Relaxin has conformational homology with insulin, **270,** 449
Behrensmeyer A. K. *see under* Pilbeam D., **270,** 689
Benimoff A. *see under* Saxena S. K., **270,** 333
Bennet D. *see under* Holden S., **270,** 518
Bernard O. *see under* Holden S., **270,** 518
Bernays E. *see under* Woodhead S., **270,** 235
Bertaux J. L., Blamont J. E., Mironova E. N., Kurt V. G. and Bourgin M. C. Temperature measurement of interplanetary-interstellar hydrogen, **270,** 156
Beutin L. *see under* Kennedy N., **270,** 580
Bhattacharyya J. C. and Bappu M. K. V. Saturn-like ring system around Uranus, **270,** 503
Bidinger F., Musgrave R. B. and Fischer R. A. Contribution of stored pre-anthesis assimilate to grain yield in wheat and barley, **270,** 431
Biggers J. D. *see under* Powers R. D., **270,** 603
Birch M. C., Light D. M. and Mori K. Selective inhibition of response of *Ips pini* to its pheromone by the (*S*)-(−)-enantiomer of ipsenol, **270,** 738
Biscoe T. J., Evans R. H., Francis A. A., Martin M. R., Watkins J. C., Davies J. and Dray A. D-alpha-Aminoadipate as a selective antagonist of amino acid-induced and synaptic excitation of mammalian spinal neurones, **270,** 743
Bishop W. W. *see under* Pilbeam D., **270,** 684
Blamont J. E. *see under* Bertaux J. L., **270,** 156
see under Mégie G., **270,** 329
Blobstein S. *see under* Poirier M. C., **270,** 186
Bloom F. E. *see under* Rossier J., **270,** 618
Bloom H. *see under* Noller B. N., **270,** 160
Bloom S. R. *see under* Polak J. M., **270,** 183
Blundell T. L. *see under* Bedarkar S., **270,** 449
Board P. A. Redox regulation of atmospheric oxygen and its consequences, **270,** 591
Bock K. R. *see under* Harrison B. D., **270,** 760
Boella G. *see under* Di Cocco G., **270,** 319
Boldt E. A. *see under* Pravdo S. H., **270,** 158
Bolton D. My Uncle Eustace — Maker of Rings (1885-1916), **270,** 565
Bolton T. B. Rate of offset of action of slow-acting muscarinic antagonists is fast, **270,** 354
Bonfield W. and Grynpas M. D. Anisotropy of the Young's modulus of bone, **270,** 453
Bookman M. A. Animal migration at Tübingen, *news and views,* **270,** 208
Borland R. M. *see under* Powers R. D., **270,** 603
Bornens M. Is the centriole bound to the nuclear membrane? **270,** 80
Bottomley P. A. *see under* Hinshaw W. S., **270,** 722
Bourgin M. C. *see under* Bertaux J. L., **270,** 156
Bowery N. G. and Dray A. Pentobarbitone enhancement of the inhibitory action of GABA — Reply, *matters arising,* **270,** 544
Bowling D. *see under* Parnas I., **270,** 626
Brackenbury J. H. Physiological energetics of cock-crow, **270,** 433
Bradt H. V. *see under* Doxsey R. E., **270,** 586
see under Jernigan J. G., **270,** 321
see under McClintock J. E., **270,** 320
Brady C. *see under* Roberts T. M., **270,** 274
Bray D. *see under* Pinder J. C., **270,** 752
Gel motility, *news and views,* **270,** 560
Breathnach R., Mandel J. L. and Chambon P. Ovalbumin gene is split in chicken DNA, **270,** 314
Bregestovski P. D., Iljin V. I., Jurchenko O. P., Veprintsev B. N. and Vulius C. A. Acetylcholine receptor conformational transition on excitation masks disulphide bonds against reduction, **270,** 71
Brent L. *see under* Batchelor J. R., **270,** 522
Bridgwater D. *see under* Moorbath S., **270,** 43
Brook W. A. *see under* Sangster D. F., **270,** 423
Broughton P. L. Origin of coal basins by salt solution, **270,** 420
Brown M. R. *see under* Polak J. M., **270,** 183
Brown M. S. *see under* Anderson R. G. W., **270,** 695
Brown R. D. Deuterium enrichment in interstellar HCN and HNC, **270,** 39
Brueckner G. E. *see under* Jordan C., **270,** 326
Büchel D. E. *see under* Davies R. W., **270,** 757
Buchan A. M. J. *see under* Polak J. M., **270,** 183
Buchsbaum M. S., Davis G. C. and Bunney W. E. Jr. Naloxone alters pain perception and somatosensory evoked potentials in normal subjects, **270,** 620
Buller D. C. and Reid J. S. G. Do fatty acids inhibit gibberellin-induced amyloysis? — Reply, *matters arising,* **270,** 193
Bullock M. B. The key to modernisation, *news,* **270,** 462
Bunney W. E. Jr. *see under* Buchsbaum M. S., **270,** 620
Burger M. M. *see under* Jockusch B. M., **270,** 628
see under Tao T-W., **270,** 437
Buss D. H. *see under* Spring J. A., **270,** 567
Butler R. C. *see under* Di Cocco G., **270,** 319
Butt N. M. *see under* Saeed S. A., **270,** 32
Cais M., Dani S., Eden Y., Gandolfi O., Horn M., Isaacs E. E., Josephy Y., Saar Y., Slovin E. and Snarsky L. Metalloimmunoassay, **270,** 534
Camargo E. P. and Freymuller E. Endosymbiont as supplier of ornithine carbamoyltransferase in a trypanosomatid, **270,** 52
Canizares C. R. *see under* JcClintock J. E., **270,** 320
Capra J. D. *see under* Vitetta E. S., **270,** 535
Carothers A. D. *see under* Seuanez H. N., **270,** 345
Carruthers J. Money or energy problem? *news,* **270,** 198
Carter R. and Beach R. F. Gametogenesis in culture by gametocytes of *Plasmodium falciparum,* **270,** 240
Cavalier-Smith T. Visualising jumping genes, *news and views,* **270,** 10
Chambon P. *see under* Breathnach R., **270,** 314
Champion M. J. and Shows T. B. Correction of human mucolipidosis II enzyme abnormalities in somatic cell hybrids, **270,** 64
Chan S-Y. *see under* Ochs S., **270,** 748
Chance W. T. and Rosecrans J. A. Inhibition of drinking by intrahypothalamic administration of morphine, **270,** 167
Chanin M. L. *see under* Mégie G., **270,** 329
Chaponnier C. *see under* Jockusch B. M., **270,** 628
Charpak G. Applications of proportional chambers and drift chambers in high-energy physics and other fields, *review article,* **270,** 479
Chen V. *see under* Ianuzzo D., **270,** 74
Cheung G. *see under* Hildemann W. H., **270,** 219
Choy P. C. *see under* Vance D. E., **270,** 268
Chrenko R. M., Tuft R. E. and Strong H. M. Transformation of the state of nitrogen in diamond, **270,** 141
Cleaver J. E. *see under* Painter R. B., **270,** 543
Nucleosome structure controls rates of excision repair in DNA of human cells, **270,** 451
Cohen J. E. Ratio of prey to predators in community food webs, **270,** 165
Cole R. D. *see under* Hsiang M. W., **270,** 275
Collier H. O. J. *see under* Saeed S. A., **270,** 32
Collins S. J., Gallo R. C. and Gallagher R. E. Continuous growth and differentiation of human myeloid leukaemic cells in suspension culture, **270,** 347
Coney P. J. and Reynolds S. J. Cordilleran Benioff zones, **270,** 403
Cook A. H. Molecular hydrogen in the Sun, **270,** 297
Cooper S. M., Sambray Y. and Friou G. J. Isolation of separate Fc receptors for IgG complexed to antigen and native IgG from a murine leukaemia, **270,** 253
Copas J. L. *see under* Saeed S. A., **270,** 32
Cotman C. W. *see under* White W. F., **270,** 356
Cox F. E. G. Gametes of malaria parasites, *news and views,* **270,** 204
Mechanisms of parasite immunity, *news and views,* **270,** 387
Relevance of parasitology, *news and views,* **270,** 561
Cox R. A., Derwent R. G. and Hutton A. J. L. Significance of peroxynitric acid in atmospheric chemistry of nitrogen oxides, **270,** 328
Craddock M. K., Erdman K. L. and Sample J. T. Basic and applied research at the TRIUMF meson factory, *review article,* **270,** 671
Crampin S. Palaeoanisotropy in the upper mantle, **270,** 162
Creese I. and Snyder S. H. A simple and sensitive radioreceptor assay for antischizophrenic drugs in blood, **270,** 180
Cummins J. T. *see under* White W. F., **270,** 356
Cundall R. B. Singlet oxygen in chemistry and biology, *news and views,* **270,** 15
Curtis D. R. and Lodge D. Pentobarbitone enhancement of the inhibitory action of GABA, *matters arising,* **270,** 543
Cuthbert J. *see under* Saeed S. A., **270,** 32
Cynader M. and Mitchell D. E. Monocular astigmatism effects on kitten visual cortex development, **270,** 177
Da Prada M. *see under* Jockusch B. M., **270,** 628
Dani S. *see under* Cais M., **270,** 534
David G. F. X. *see under* Anand Kumar T. C., **270,** 532
Davidson C. *see under* Steel C. M., **270,** 349
Davies J. *see under* Biscoe T. J., **270,** 743
Davies J. D., Batty C. J. and Green K. The multi-disciplinary role of 'pion factories', *review article,* **270,** 667
Davies R. W., Schreier P. H. and Büchel D. E. Nucleotide sequence of the attachment site of coliphage lambda, **270,** 757
Davies T. F. *see under* McLachlan S. M., **270,** 447
Davis G. C. *see under* Buchsbaum M. S., **270,** 620
Davis J. Conserving uranium without the fast breeder, *news,* **270,** 376
Dawson P. S. Evolutionary adjustment of developmental time in mixed populations of flour beetles, **270,** 340
de Freitas A. A., Rose M. L. and Parrott D. M. V. Murine mesenteric and peripheral lymph nodes: a common pool of small T cells, **270,** 731
De Motta G. E. and Del Castillo J. Diffusion barrier for acetylcholine at the frog neuromuscular junction, **270,** 178
De Robertis E. *see under* Laskey R., **270,** 477
Dean A. J. *see under* Di Cocco G., **270,** 319
Deans E. A., Anderson J. G. and Meadows P. S. Responses of a benthic marine invertebrate to gamma-irradiated sediment, **270,** 595
Del Castillo J. *see under* De Motta G. E., **270,** 178
Derwent R. G. *see under* Cox R. A., **270,** 328
Devore D. I. and Nastuk W. L. Ionophore-mediate calcium influx effects on the post-synaptic muscle fibre membrane, **270,** 441
Devoy R. J. N. Flandrian sealevel changes in the Thames Estuary and the implications for land subsidence in England and Wales, **270,** 712
Di Cocco G., Boella G., Perotti F., Stiglitz R., Villa G., Baker R. E., Butler R. C., Dean A. J., Martin S. J. and Ramsden D. Low energy gamma-ray observation of NGC4151, **270,** 319
Diamond J. M. Colonisation of a volcano inside a volcano, *news and views,* **270,** 13
Dickmeiss E., Soeberg B. and Svejgaard A. Human cell-mediated cytotoxicity against modified target cells is restricted by HLA, **270,** 526
Dierich M. P., Wilhelmi D. and Till G. Essential role of surface-bound chemoattractant in leukocyte migration, **270,** 351
Dietz R. *see under* Phillips M. I., **270,** 445
Dockray G. J. Immunoreactive component resembling cholecystokinin octapeptide in intestine, **270,** 359
Doi K. *see under* Ogawara Y., **270,** 134
dos Remedios C. G. Ionic radius selectivity of skeletal muscle membranes, **270,** 750
Dos Santos P. M. *see under* Lépine J. R. D., **270,** 501
Douglas J. H. Japan's national R & D programme, *news,* **270,** 651
Dower R. G. *see under* Doxsey R. E., **270,** 586
Doxsey R. E. *see under* Jernigan J. G., **270,** 321
see under McClintock J. E., **270,** 320
Doxsey R. E., Apparao K. M., Bradt H. V., Dower R. G. and Jernigan J. G. Positions of galactic X-ray sources: $0° < l^{II} < 20°$, **270,** 586
Dray A. *see under* Bowery N. G., **270,** 544
see under Biscoe T. J., **270,** 743
Dronia H. *see under* Kukla G. J., **270,** 573
du Plessis A. Seafloor spreading south of the Agulhas Fracture zone, **270,** 719
Dudderar T. D. and Simpkins P. G. Laser speckle photography

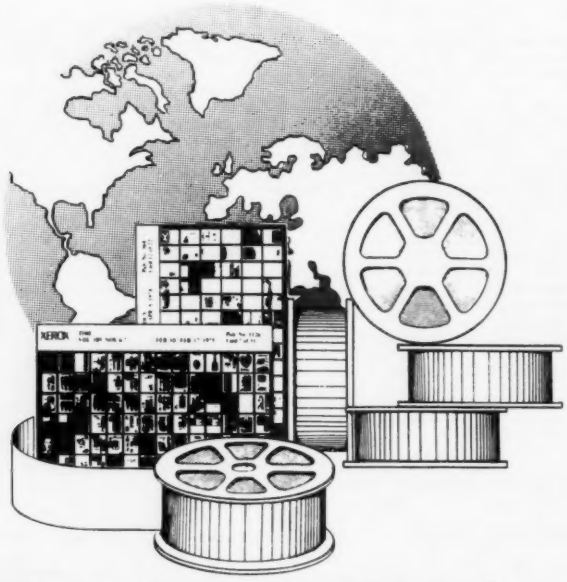
in a fluid medium. **270,** 45
Duesberg P. H. *see under* Mellon P.. **270,** 631
Duffy J. J. and Geiduschek E. P. Purification of a positive regulatory subunit from phage SP01-modified RNA polymerase. **270,** 28
Duncan R. *see under* Hobart P.. **270,** 543
Eales M. H. *see under* McKerrow W. S.. **270,** 194
Ebrey T. G. *see under* Hurley J. B.. **270,** 540
Echlin P. Microanalysis in biology and medicine. *news and views,* **270,** 102
Echols H. *see under* Hsiang M. W.. **270,** 275
Eden Y. *see under* Cais M.. **270,** 534
Eibs H.-G. and Spielmann H. Inhibition of post-implantation development of mouse blastocysts *in vitro* after cyclophosphamide treatment *in vivo.* **270,** 54
Eichmann K. *see under* Krammer P. H.. **270,** 733
Eisen H. and Tallan I. *Tetrahymena pyriformis* recovers from antibody immobilisation by producing univalent antibody fragments. **270,** 514
Ellsaesser H. W. Has man increased stratospheric ozone? **270,** 592
Eloy R. *see under* Kedinger M.. **270,** 736
Endo H. *see under* Obinata A.. **270,** 440
Erdman K. L. *see under* Craddock M. K.. **270,** 671
Essex M. *see under* Hardy W. D. Jr. **270,** 249
Evans M. C. W. *see under* Slabas A. R.. **270,** 169
Evans P. D. and O'Shea M. An octopaminergic neurone modulates neuromuscular transmission in the locust. **270,** 257
Evans R. H. *see under* Biscoe T. J.. **270,** 743
Evans W. C. Biochemistry of the bacterial catabolism of aromatic compounds in anaerobic environments. *review article,* **270,** 17
Facer P. *see under* Polak J. M.. **270,** 183
Fager R. *see under* Shriver J.. **270,** 271
Falk G. *see under* Ashmore J. F.. **270,** 69
Falk S. W., Lattimer J. M. and Margolis S. H. Are supernovae sources of presolar grains? **270,** 700
Farren S. B. *see under* Vance D. E.. **270,** 268
Fellous M. *see under* Hogan B.. **270,** 515
Fidler I. J. Depression of macrophages in mice drinking hyperchlorinated water. **270,** 735
Fielder G. Surveying the Moon. *news and views,* **270,** 563
Finch A. P. *see under* Taussig M. J.. **270,** 151
Finol H. J. *see under* Lewis D. M.. **270,** 745
Fischer R. A. *see under* Bidinger F.. **270,** 431
Flatman P. and Lew V. L. Does inophore A23187 mediate Na transport in the absence of divalent cations? **270,** 444
Forman D. S. *see under* Siggins G. R.. **270,** 263
Fowler P. H. and Lang A. R. Giant haloes in mica, **270,** 163
Francis A. A. *see under* Biscoe T. J.. **270,** 743
Francis P. W. and Baker M. C. W. Mobility of pyroclastic flows, **270,** 164
Franco M. A. A. and Vallet Regi M. Anion deficiency in strontium titanate. **270,** 706
Franks F. Workshop on hydrophobic effects. *news and views,* **270,** 386
French E. D. *see under* Rossier J.. **270,** 618
Freymuller E. *see under* Camargo E. P.. **270,** 52
Friou G. J. *see under* Cooper S. M.. **270,** 253
Gab S., Schmitzer J., Thamm H. W., Parlar H. and Korte F. Photomineralisation rate of organic compounds adsorbed on particulate matter. **270,** 331
Gabbiani G. *see under* Jockusch B. M.. **270,** 628
Gagelmann M. *see under* Kownatzki E.. **270,** 67
Gallagher R. E. *see under* Collins S. J.. **270,** 347
Gallo R. C. *see under* Collins S. J.. **270,** 347
Gandolfi O. *see under* Cais M.. **270,** 534
Ganten D. *see under* Phillips M. I.. **270,** 445
Gardiner P. J. *see under* Saeed S. A.. **270,** 32
Gardiner S. E. *see under* Steel C. M.. **270,** 729
Gardner B. *see under* Hughes-Jones N. C.. **270,** 613
Geib R., Goldberg E. H. and Klein J. Membrane-bound H-2 and H-Y antigens move independently of each other. **270,** 352
Geiduschek E. P. *see under* Duffy J. J.. **270,** 28
Geisow M. Serum albumin structure and function. *news and views,* **270,** 476
Gemsa D. *see under* Kownatzki E.. **270,** 67
Ghose S. and Wan C. Hilgardite and parahilgardite piezoelectric zeolite type phases. **270,** 594
Gibilaro L. G. Mean residence times in continuous flow systems. **270,** 47
Gilmour D. G. *see under* Purchase H. G.. **270,** 61
Goldberg E. H. *see under* Geib R.. **270,** 352
Goldfien A. *see under* Roberts J. M.. **270,** 624
Goldfien R. D. *see under* Roberts J. M.. **270,** 624
Goldstein J. L. *see under* Anderson R. G. W.. **270,** 695
Goldstein L. T. *see under* Weinhold K. J.. **270,** 59
Goodman H. M. *see under* Seeburg P. H.. **270,** 486
see under Shine J.. **270,** 494
Grandison L. and Guidotti A. Regulation of prolactin release by endogenous opiates. **270,** 357
Grant A. C. Multichannel seismic reflection profiles of the continental crust beneath the Newfoundland Ridge. **270,** 22
Grant D. Chemical structure of humic substances. **270,** 709
Gratzer W. B. *see under* Pinder J. C.. **270,** 752
Gray J. and Thompson P. Climatic information from ^{18}O/^{16}O analysis of cellulose, lignin and whole wood from tree rings. **270,** 708
Greaney G. S. and Powers D. A. Cellular regulation of an allosteric modifier of fish haemoglobin. **270,** 73
Greaves M. F. *see under* Basch R. S.. **270,** 520
Green K. *see under* Davies J. D.. **270,** 667
Grenier J. *see under* Kedinger M.. **270,** 736
Gribbin J. Jeffreys Lecturer links Sun and weather. *news and views,* **270,** 564
Gruol D. L. *see under* Siggins G. R.. **270,** 263
Grynpas M. D. *see under* Bonfield W.. **270,** 453
Guidotti A. *see under* Grandison L.. **270,** 357
Guillemin R. *see under* Rossier J.. **270,** 618
Guillon J.-C. *see under* Michelson-Fiske S.. **270,** 615
Guthrie E. J. *see under* Harrison B. D.. **270,** 760
Haebara H. *see under* Phillips M. I.. **270,** 445
Haffen K. *see under* Kedinger M.. **270,** 736
Hall R. *see under* McLachlan S. M.. **270,** 447
Hallam A. How many species? *news and views,* **270,** 475
Haller O., Hansson M., Kiessling R. and Wigzell H. Role of non-conventional natural killer cells in resistance against syngeneic tumour cells *in vivo.* **270,** 609
Halliwell B. *see under* Barber J.. **270,** 104
Hamberger A. *see under* White W. F.. **270,** 356
Hamlyn P. Coupled transcription/translation. *news and views,* **270,** 662
Hammer C. U. Past volcanism revealed by Greenland Ice Sheet impurities. **270,** 482
Hanmer S. K. Age and tectonic implications of the Baie d'Audierne basic-ultrabasic complex. **270,** 336
Hansson M. *see under* Haller O.. **270,** 609
Hardy W. D. Jr, Zuckerman E. E., MacEwen E. G., Hayes A. A. and Essex M. A feline leukaemia virus- and sarcoma virus-induced tumour-specific antigen. **270,** 249
Harris R. Divide between Peking and Taipei rules out scientific cooperation. **270,** 468
Harrison B. D., Barker H., Bock K. R., Guthrie E. J., Meredith G. and Atkinson .M. Plant viruses with circular single-stranded DNA. **270,** 760
Harrison E. R. Has the Sun a companion star?. **270,** 324
Hasegawa T. *see under* Higashide E.. **270,** 721
Hay A. Combatting rickets. *news,* **270,** 289
Health and safety 3 years on. *news,* **270,** 91
Hayakawa M. and Tanaka Y. ELF emissions observed at Moshiri. **270,** 703
Hayashi M. *see under* Mukai R.. **270,** 364
Hayes A. A. *see under* Hardy W. D. Jr. **270,** 249
Henderson-Sellers A. and Meadows A. J. Surface temperature of early Earth. **270,** 589
Hengstenberg R. Spike responses of 'non-spiking' visual interneurone. **270,** 338
Hepler P. *see under* Zeiger E.. **270,** 270
Herberman R. B. *see under* Landolfo S.. **270,** 62
Herman L. C. *see under* Kemp J. C.. **270,** 227
Herrlich P. *see under* Kennedy N.. **270,** 580
Hess B. *see under* Korenstein R.. **270,** 184
Hiai H., Morrissey P., Khiroya R. and Schwartz R. S. Selective expression of xenotropic virus in congenic HRS/J (hairless) mice. **270,** 247
Higashide E., Asai M., Ootsu K., Tanida S., Kozai Y., Hasegawa T., Kishi T., Sugino Y and Yoneda M. Ansamitocin, a group of novel maytansinoid antibiotics with antitumour properties from *Norcardia.* **270,** 721
Hildemann W. H., Raison R. L., Cheung G., Hull C. J., Akaka L. and Okamoto J. Immunological specificity and memory in a scleractinian coral. **270,** 219
Hill S. J., Young J. M. and Marrian D. H. Specific binding of ^{3}H-mepyramine to histamine H_1 receptors in intestinal smooth muscle. **270,** 361
Hillam J. *see under* Pearson G. W.. **270,** 25
Hillman N. *see under* Wudl L. R.. **270,** 137
Hiltner W. A. *see under* McClintock J. E.. **270,** 320
Hinshaw W. S., Bottomley P. A. and Holland G. N. Radiographic thin-section image of the human wrist by nuclear magnetic resonance. **270,** 722
Hobart P., Duncan R. and Infante A. A. Membrane initiation of DNA synthesis — Reply. *matters arising,* **270,** 543
Hodgson P. E. Magnetic moments of short-lived nuclear states. *news and views,* **270,** 206
Nuclear radii and magnetic moments by laser spectroscopy. *news and views,* **270,** 390
Hoffman W. E. *see under* Phillips M. I.. **270,** 445
Hogan B., Fellous M., Avner P. and Jacob F. Isolation of a human teratoma cell line which expresses F9 antigen. **270,** 515
Holden H. T. *see under* Landolfo S.. **270,** 62
Holden S., Bernard O., Artzt K., Whitmore W. F. Jr. and Bennett D. Human and mouse embryonal carcinoma cells in culture share an embryonic antigen (F9). **270,** 518
Holland G. N. *see under* Hinshaw W. S.. **270,** 722
Holt S. S. *see under* Pravdo S. H.. **270,** 158
see under Walker E. N.. **270,** 229
Honig B. *see under* Hurley J. B.. **270,** 540
Horn H. S. and May R. M. Limits to similarity among coexisting competitors. *news and views,* **270,** 660
Horn M. *see under* Cais M.. **270,** 534
Horodniceanu F. *see under* Michelson-Fiske S.. **270,** 615
Hoshiai M. *see under* Kukla G. J.. **270,** 573
Howell D. J. Time sharing and body partitioning in bat–plant pollination systems. **270,** 509
Howie A. Electron diffraction up to date. *news and views,* **270,** 474
Hoyle F. and Wickramasinghe N. C. Identification of the lambda 2,200Å interstellar absorption feature. **270,** 323
Hoyle F. and Wickramasinghe N. C. Origin and nature of carbonaceous material in the galaxy. **270,** 701
Hoyt J. W. Laminar-turbulent transition in polymer solutions. **270,** 508
Hsiang M. W., Cole R. D., Takeda Y. and Echols H. Amino acid sequence of Cro regulatory protein of bacteriophage lambda. **270,** 275
Hughes D. W. Are comets dirty snowballs or dust swarms? *news and views,* **270,** 558
Object Kowal, the most distant asteroid. *news and views,* **270,** 385
Hughes-Jones N. C., Gardner B. and Rowlands J. Activation of human complement by glutaraldehyde-treated red cells. **270,** 613
Huie P. *see under* Locke M.. **270,** 341
Hull C. J. *see under* Hildemann W. H.. **270,** 219
Hung P. P. *see under* Lee S. O.. **270,** 366
Hurley J. B., Ebrey T. G., Honig B. and Ottolenghi M. Temperature and wavelength effects on the photochemistry of rhodopsin, isorhodopsin, bacteriorhodopsin and their photoproducts. **270,** 540
Hutton A. J. L. *see under* Cox R. A.. **270,** 328
Ianuzzo D., Patel P., Chen V., O'Brien P. and Williams C. Thyroidal trophic influence on skeletal muscle myosin. **270,** 74
Iljin V. I. *see under* Bregestovski P. D.. **270,** 71
Infante A. A. *see under* Hobart P.. **270,** 543
Insel P. A. *see under* Roberts J. M.. **270,** 624
Irving E. Drift of the major continental blocks since the Devonian. **270,** 304
Isaacs E. E. *see under* Cais M.. **270,** 534
Itoh T. and Tomizawa J.-I. Involvement of DNA gyrase in bacteriophage T7 DNA replication. **270,** 78
Iwashima T. *see under* Kukla G. J.. **270,** 573
Jacob F. *see under* Hogan B.. **270,** 515
Jacobs L. L. *see under* Pilbeam D.. **270,** 684
Jacobsen A. S. *see under* Ling J. C.. **270,** 36
Jancso G., Kiraly E. and Jancso-Gabor A. Pharmacologically induced selective degeneration of chemosensitive primary sensory neurones. **270,** 741
-Gabor A. *see under* Jancsó G.. **270,** 741
Janossy G. *see under* Basch R. S.. **270,** 520
Jansen R. T. P. *see under* van Venrooij W. J.. **270,** 189
Jernigan J. G. *see under* Doxsey R. E.. **270,** 586
see under McClintock J. E.. **270,** 320
Jernigan J. G., Apparao K. M. V., Bradt H. V., Doxsey R. E. and McClintock J. E. Positions of three X-ray burst sources. **270,** 321
Jockusch B. M., Burger M. M., Da Prada M., Richards J. G., Chaponnier C. and Gabbiani G. alpha-Actinin attached to membranes of secretory vesicles. **270,** 628
Johnstone A. Acceleration of auroral particles. *news and views,* **270,** 101
Jones P. B. Hadronic photoabsorption and pair production in pulsars. **270,** 37
Jordan C., Brueckner G. E., Bartoe J.-D. F., Sandlin G. D. and Van Hoosier M. E. Lines of H_2 in extreme-ultraviolet solar spectra. **270,** 326
Josephy Y. *see under* Cais M.. **270,** 534
Joss P. C. *see under* Lewin W. H. G.. **270,** 211
X-ray bursts and neutron-star thermonuclear flashes. **270,** 310
Juhlin L. *see under* Shelley W. B.. **270,** 343
Jukes T. H. On sociobiology. *news,* **270,** 203
Sursum corda. *news,* **270,** 380
Jurchenko O. P. *see under* Bregestovski P. D.. **270,** 71
Kadkade P. and Seibert M. Phytochrome-regulated organogenesis in lettuce tissue culture. **270,** 49
Kalmus P. I. P. Antimatter. *news and views,* **270,** 661
Kamo N. *see under* Shimbo T.. **270,** 277
Kaneko T., Atlas R. M. and Krichevsky M. Diversity of bacterial populations in the Beaufort Sea. **270,** 596
Kathuria H. *see under* Monk M.. **270,** 599
Kaufman M. H. *see under* Surani M. A. H.. **270,** 601
Kedinger M., Haffen K., Grenier J. and Eloy R. *In vitro* culture reduces immunogenicity of pancreatic endocrine islets. **270,** 736
Kemp J. C., Herman L. C., Rudy R. J. and Barbour M. S. Evidence for a 39-d period in Cyg X-1. **270,** 227
Kennedy N., Beutin L., Achtman M., Skurray R., Rahmsdorf U. and Herrlich P. Conjugation proteins encoded by the F sex factor. **270,** 580
Khan T. H. *see under* Anwar M.. **270,** 538
Khiroya R. *see under* Hiai H.. **270,** 247
Khudyakov I. Y. *see under* Kirnos M. D.. **270,** 369
Kiang T. More evidence for a closed Universe from QSOs. *news and views,* **270,** 205
Kiessling R. *see under* Haller O.. **270,** 609
Kilshaw P. J. *see under* Batchelor J. R.. **270,** 522
Kim C. H. and Sarma R. H. Spatial configuration of mRNA 5'-terminus. **270,** 223
Kiraly E. *see under* Jancsó G.. **270,** 741
Kirkwood T. B. L. Evolution of ageing. *review article,* **270,** 301
Kirnos M. D., Khudyakov I. Y., Alexandrushkina N. I. and Vanyushin B. F. 2-Aminoadenine is an adenine substituting for a base in S-2L cyanophage DNA. **270,** 369
Kishi T. *see under* Higashide E.. **270,** 721
Kissmeyer-Nielsen F. International histocompatibility testing workshop 1977. *news and views,* **270,** 664
Klein J. *see under* Geib R.. **270,** 352
see under Vitetta E. S.. **270,** 535
Kletzien R. F., Miller M. R. and Pardee A. B. Unique cytoplasmic phosphorproteins are associated with cell growth arrest. **270,** 57
Klukas C. Ribosomal gene organisation in *Tetrahymena. news and views,* **270,** 473
Knight P. Two-photon ionisation interference effects. *news and views,* **270,** 361
Knowles B. B. *see under* Trinchieri G.. **270,** 611
Kobatake Y. *see under* Shimbo T.. **270,** 277

Kochlar R. K. A classification scheme for pulsars, **270,** 38
Korenstein R. and Hess B. Hydration effects on the photocycle of bacteriorhodopsin in thin layers of purple membrane, **270,** 184
Korte F. *see under* Gäb S., **270,** 331
Koul O. *see under* Saxena B. P., **270,** 512
Kownatzki E., Till G., Gagelmann M., Terwort G. and Gemsa D. Histamine induces release of an eosinophil immobilising factor from mononuclear cells, **270,** 67
Kozai Y. *see under* Higashide E., **270,** 721
Krammer P. H. and Eichmann K. T cell receptor idiotypes are controlled by genes in the heavy chain linkage group and the major histocompatibility complex, **270,** 733
Krebs J. Primate social structure and ecology, *news and views*, **270,** 99
Krichevsky M. *see under* Kaneko T., **270,** 596
Kudo A., Akagi H., Mortimer D. C. and Miller D. R. Equilibrium concentrations of methylmercury in Ottawa River sediments, **270,** 419
Kukla G. J., Angel J. K., Korshover J., Dronia H., Hoshiai M., Namias J., Rodewald M., Yamamoto R. and Iwashima T. New data on climatic trends, **270,** 573
Kurihara K. *see under* Shimbo T., **270,** 277
Kurt V. G. *see under* Bertaux J. L., **270,** 156
Kusano K., Miledi R. and Stinnakre J. Acetylcholine receptors in the oocyte membrane, **270,** 739
Lake G. and Partridge R. B. Detection of intergalactic gas in distant, rich clusters, **270,** 502
Landolfo S., Herberman R. B. and Holden H. T. Two mechanisms of migration inhibition factor induction by tumour antigens, **270,** 62
Lang A. R. *see under* Fowler P. H., **270,** 163
Laskey R., Lawrence P. and De Robertis E. Genes in development, *news and views*, **270,** 477
Lattimer J. M. *see under* Falk S. W., **270,** 700
Lawrence E. Mass surveys to detect cancer, *news*, **270,** 464
Lawrence P. *see under* Laskey R., **270,** 477
Lepine J. R. D. and Dos Santos P. M. Detection of H_2O emission from galaxy NGC253, **270,** 501
Lederhendler I. I. and Tobach E. Reproductive roles in the simultaneous hermaphrodite *Aplysia dactylomela*, **270,** 238
Lee S. G. and Hung P. P. Extensive reverse transcription of RSV genome by nucleic acid-binding protein, **270,** 366
Leggett A. J. Superfluid ^{3}He A is a liquid ferromagnet, **270,** 585
Leggett J. K. *see under* McKerrow W. S., **270,** 194
Lew V. L. *see under* Flatman P., **270,** 444
Lewin W. H. G. and Joss P. C. X-ray burst sources, *review article*, **270,** 211
Lewis D. M., Bagust J., Webb S. N., Westerman R. A. and Finol H. J. Axon conduction velocity modified by reinnervation of mammalian muscle, **270,** 745
Libby L. M. *see under* Runcorn S. K., **270,** 676
Libby W. F. *see under* Runcorn S. K., **270,** 676
Lichtenstein L. M. *see under* Adams G. K. III, **270,** 255
Light D. M. *see under* Birch M. C., **270,** 738
Lim P. H. *see under* Vance D. E., **270,** 268
Ling J. C., Mahoney W. A., Willett J. B. and Jacobson A. S. A search for the reported 400-keV gamma-ray line from Crab Nebula, **270,** 36
Ling N. *see under* Rossier J., **270,** 618
Lipkin Y. *Centroceras*, the 'missile'-launching marine red alga, **270,** 48
Lönn U. Direct association of Balbiani ring 75S RNA with membranes of the endoplasmic reticulum, **270,** 630
Locke M. and Huie P. Bismuth staining of Golgi complex is characteristic arthropod feature lacking in *Peripatus*, **270,** 341
Lodge D. *see under* Curtis D. R., **270,** 543
Loeb L. A. *see under* Sherman C. W., **270,** 537
Lynden-Bell D. Hubble's constant determined from superluminal radio sources, **270,** 396
MacArthur R. D. *see under* Sekuler R., **270,** 428
Macdonald K. C. *see under* Atwater T., **270,** 715
MacDonald N. Biochemical oscillators, *news and views*, **270,** 100
MacEwen E. G. *see under* Hardy W. D. Jr, **270,** 249
Mahoney W. A. *see under* Ling J. C., **270,** 36
Mandel J. L. *see under* Breatnach R., **270,** 314
Mann J. F. E. *see under* Phillips M. I., **270,** 445
Mansfield V. *see under* Marchant A., **270,** 699
Marchant A. and Mansfield V. Evolution of dynamical systems with time-varying gravity, **270,** 699
Margolis S. H. *see under* Falk S. W., **270,** 700
Marrian D. H. *see under* Hill S. J., **270,** 361
Martial J. A. *see under* Seeburg P. H., **270,** 486
see under Shine J., **270,** 494
Martin D. E. *see under* Seunanez H. N., **270,** 345
Martin J-F. Manipulation of industrial microorganisms, *news and views*, **270,** 662
Martin M. R. *see under* Biscoe T. J, **270,** 743
Martin S. J. *see under* Di Cocco G., **270,** 319
Mateescu G. *see under* Shriver J., **270,** 271
Matsui T. and Mizutani H. Why is a minor planet minor? **270,** 506
Matsuoka M. *see under* Ogawara Y., **270,** 154
Mattoccia E. *see under* Attardi D. G., **270,** 754
May R. M. *see under* Horn H. S., **270,** 660
Coevolution of *Calvaria* and the dodo, *news and views*, **270,** 204
McClintock J. E. *see under* Jernigan J. G., **270,** 321
McClintock J. E., Canizares C. R., Bradt H. V., Doxsey R. E., Jernigan J. G. and Hiltner W. A. Optical candidates for two X-ray bursters and an X-ray pulsar, **270,** 320
McClintock P. V. E. A liquid permanent magnet? *news and views*, **270,** 559
McDonald-Gibson W. J. *see under* Saeed S. A., **270,** 32
McGregor V. R. *see under* Moorbath S., **270,** 43
McIntosh R. V. *see under* Steel C. M., **270,** 729
McKerrow W. S., Leggett J. K. and Eales M. H. An imbricate thrust model for Southern Uplands of Scotland — Reply, *matters arising*, **270,** 194
McLachlan S. M., Rees Smith B., Petersen V. B., Davies T. F. and Hall R. Thyroid-stimulating autoantibody production *in vitro*, **270,** 447
McMichael A. J., Ting A., Zweerink H. J. and Askonas B. A. HLA restriction of cell-mediated lysis of influenza virus-infected human cells, **270,** 524
Megie G., Allain J. Y., Chanin M. L. and Blamont J. E. Vertical profile of stratospheric ozone by lidar sounding from the ground, **270,** 329
Meadows A. J. *see under* Henderson-Sellers A., **270,** 589
Meadows P. S. *see under* Deans E. A., **270,** 595
Mellanby K. Managing wildlife, *news*, **270,** 96
Mosquito Manson, *news*, **270,** 293
Mellon P. and Duesberg P. H. Subgenomic, cellular Rous sarcoma virus RNAs contain oligonucleotides from the 3′ half and the 3′ terminus of virion RNA, **270,** 631
Mellow A. M. *see under* Silinsky E. M., **270,** 528
Meredith G. *see under* Harrison B. D., **270,** 760
Meredith P. Do fatty acids inhibit gibberellin-induced amyloysis? *matters arising*, **270,** 193
Meyer G. E. *see under* Pilbeam D., **270,** 684
see under Pilbeam D., **270,** 689
Michelson-Fiske S., Horodniceanu F. and Guillon J-C. Immediate early antigens in human cytomegalovirus-infected cells, **270,** 615
Miledi R. *see under* Kusano K., **270,** 739
Milgrom M. and Shahan J. Possible 39-d polarisation period in Cyg X-1, **270,** 228
Miller D. R. *see under* Kudo A., **270,** 419
Miller M. R. *see under* Kletzien R. F., **270,** 57
Mizutani H. *see under* Matsui T., **270,** 506
Monk M. and Kathuria H. Dosage compensation for an X-linked gene in pre-implantation mouse embryos, **270,** 599
Moody W. *see under* Zeiger E., **270,** 270
Moorbath S., Allaart J. H., Bridgwater D. and McGregor V. R. RB–Sr ages of early Archaean supracrustal rocks and Amitsoq gneisses at Isua, **270,** 43
Moore P. D. Epiphyte or parasite? *news and views*, **270,** 207
Problems with pollen, *news and views*, **270,** 478
Moravcsik M. J. Will the voice of science of the Third World be heard?, *news*, **270,** 288
Morgan J. M. Differences in osmoregulation between wheat genotypes, **270,** 234
Mori K. *see under* Birch M. C., **270,** 738
Morrissey P. *see under* Hiai H., **270,** 247
Mortimer D. C. *see under* Kudo A., **270,** 419
Mortimore G. E. and Schworer C. M. Induction of autophagy by amino-acid deprivation in perfused rat liver, **270,** 174
Mosbach K. and Anderson L. Magnetic ferrofluids for preparation of magnetic polymers and their application in affinity chromatography, **270,** 259
Moticka E. J. *see under* Vitetta E. S., **270,** 535
Mukai R. and Hayashi M. Synthesis of infectious PhiX-174 bacteriophage *in vitro*, **270,** 364
Mullen R. J. Site of *pcd* gene action and Purkinje cell mosaicism in cerebella of chimaeric mice, **270,** 245
Musgrave R. B. *see under* Bidinger F., **270,** 431
Mushotzky R. F. *see under* Pravdo S. H., **270,** 158
Musoke A. J. and Barbet A. F. Activation of complement by variant-specific surface of *Trypanosoma brucei*, **270,** 438
Myamoto S. *see under* Ogawara Y., **270,** 154
Nadler J. V. *see under* White W. F., **270,** 356
Namias J. *see under* Kukla G. J., **270,** 573
Nastuk W. L. *see under* Devore D. I., **270,** 441
Newark P. Receptors and hormones, *news and views*, **270,** 12
Newton M. S. *see under* Steel C. M., **270,** 729
Nicolau C. *see under* Perram C. M., **270,** 572
Nicolini C. A., Linden W. A., Zietz S. and Wu C. T. Identification of non-proliferating cells in melanoma B16 tumour, **270,** 607
Nieto J-L. Quasar — galaxy pairs and surface density of quasars, **270,** 411
Nishimura M. Origin of stanols in young lacustrine sediments, **270,** 711
Nissley S. P. *see under* Rechler M. M., **270,** 665
Noller B. N. and Bloom H. Short-term influence of anthropogenic sources on tropospheric baseline lead, **270,** 160
Nur A. and Ben-Avraham Z. Lost Pacifica continent, **270,** 41
Obinata A. and Endo H. Induction of epidermal transglutaminase b hydrocortisone in chick embryonic skin, **270,** 440
O'Brien P. *see under* Ianuzzo D., **270,** 74
Ochs S., Worth R. M. and Chan S-Y. Calcium requirement for axoplasmic transport in mammalian nerve, **270,** 748
Oda M. *see under* Ogawara Y., **270,** 154
Ogawara Y., Doi K., Matsuoka M., Miyamoto S. and Oda M. Temporal and spectral variation of Cyg X-1, **270,** 154
Ojemann G. A. *see under* Whitaker H. A., **270,** 50
Okamoto J. *see under* Hildemann W. H., **270,** 219
Okazaki W. *see under* Purchase H. G., **270,** 61
Olson R. H. The Sun and the weather, *news*, **270,** 11
Ootsu K. *see under* Higashide E., **270,** 721
Opdyke N. D. *see under* Shackleton N. J., **270,** 216
Ordal G. W. Calcium ion regulates chemotactic behaviour in bacteria, **270,** 66
Orford K. J. Fly's eye view of cosmic rays, *news and views*, **270,** 388
Osborne N. N. Do snail neurones contain more than one neurotransmitter? **270,** 622
O'Shea M. *see under* Evans P. D., **270,** 257
Ottolenghi M. *see under* Hurley J. B., **270,** 540
Padjen A. L. *see under* Siggins G. R., **270,** 263
Painter R. B. and Cleaver J. E. Membrane intiation of DNA synthesis, *matters arising*, **270,** 543
Pardee A. B. *see under* Kletzien R. F., **270,** 57
Parker I. *see under* Suarez-Kurtz G. **270,** 746
Parlar H. *see under* Gäb S., **270,** 331
Parnas I. and Bowling D. Killing of single neurones by intracellular injection of proteolytic enzymes, **270,** 626
Parrott D. M. V. *see under* de Freitas A. A., **270,** 731
Partridge R. B. *see under* Lake G., **270,** 502
Pasvol G., Weatherall D. J. and Wilson R. J. M. Effect of foetal haemoglobin on susceptibility of red cells to *Plasmodium falciparum*, **270,** 171
Patel P. *see under* Ianuzzo D., **270,** 74
Patterson P. H. *see under* Reichardt L. F., **270,** 147
Pazderka F. *see under* Vitetta E. S., **270,** 535
Pearse A. G. E. *see under* Polak J. M., **270,** 183
Pearson G. W., Pilcher J. R., Baillie M. G. L. and Hillam J. Absolute radiocarbon dating using a low altitude European tree-ring calibration, **270,** 25
Peck M. J. *see under* Williams T. J., **270,** 530
Pedersen R. A., Spindle A. I. and Wiley L. M. Regeneration of endoderm by ectoderm isolated from mouse blastocysts, **270,** 435
Perotti F. *see under* Di Cocco G., **270,** 319
Perram C. M., Nicolau C. and Perram J. W. Interparticle forces in multiphase colloid systems: the resurrection of coagulated *sauce bernaise*, **270,** 572
Perram J. W. *see under* Perram C. M., **270,** 572
Petersen V. B. *see under* McLachlan S. M., **270,** 447
Philipson J. *see under* Steel C. M., **270,** 349
see under Steel C. M., **270,** 729
Phillips M. I., Mann J. F. E., Haebara H., Hoffman W. E., Dietz R., Schelling P. and Ganten D. Lowering of hypertension by central salarasin in the absence of plasma renin, **270,** 445
Phillips T. E. *see under* Silinsky E. M., **270,** 528
Piatigorsky J. *see under* Shinohara T., **270,** 406
Pickford M. H. L. *see under* Pilbeam D., **270,** 689
see under Pilbeam D., **270,** 684
Pilbeam D., Barry J., Meyer G. E., Shah S. M. I., Pickford M. H. L., Bishop W. W., Thomas H. and Jacobs L. L. Geology and palaeontology of Neogene strata of Pakistan, **270,** 684
Pilbeam D., Meyer G. E., Badgley C., Rose M. D., Pickford M. H. L., Behrensmeyer A. K. and Shah S. M. I. New hominoid primates from Siwaliks of Pakistan and their bearing on hominoid evolution, **270,** 689
Pilcher J. R. *see under* Pearson G. W., **270,** 25
Pinder J. C., Bray D. and Gratzer W. B. Control of interaction of spectrin and actin by phosphorylation, **270,** 752
Pinter R. B. Visual discrimination between small objects and large textured backgrounds, **270,** 429
Pitt C. W. Thin film technology, *review article*, **270,** 16
Pocock G. Particle size analysis for machinery health monitoring, **270,** 414
Poirier M. C., Yuspa S. H., Weinstein I. B. and Blobstein S. Detection of carcinogen–DNA adducts by radioimmunoassay, **270,** 186
Polak J. M., Sullivan S. N., Bloom S. R., Buchan A. M. J., Facer P., Brown M. R. and Pearse A. G. E. Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry, **270,** 183
Powers D. A. *see under* Greaney G. S., **270,** 73
Powers R. D., Borland R. M. and Biggers J. D. Amiloride-sensitive rheogenic Na^+ transport in rabbit blastocyst, **270,** 703
Pravdo S. H., Mushotzky R. F., Becker R. H., Boldt E. A., Holt S. S., Serlemitsos P. J. and Swank J. H. Absence of detectable X rays from supercluster candidate 4U0134—11, **270,** 158
Prebble J. *see under* Anwar M., **270,** 538
Priest R. G. *see under* Schoen P. E., **270,** 412
Princen J. M. G. *see under* van Venrooij W. J., **270,** 189
Prydz H., Allison A. C. and Schorlemmer H. U. Further link between complement activation and blood coagulation, **270,** 173
Purchase H. G., Gilmour D. G., Romero C. H. and Okazaki W. Post-infection genetic resistance to avian lymphoid leukosis resides in B target cell, **270,** 61
Puri V. *see under* Anand T. C., **270,** 532
Rahmsdorf U. *see under* Kennedy N., **270,** 580
Raison R. L. *see under* Hildemann W. H., **270,** 219
Ramsden D. *see under* Di Cocco G., **270,** 319
Rechler M. M. and Nissley S. P. Somatomedins and related growth factors, *news and views*, **270,** 665
Rees Smith B. *see under* McLachlan S. M., **270,** 447
Reichardt L. F. and Patterson P. H. Neurotransmitter synthesis and uptake by isolated sympathetic neurones in microcultures, **270,** 147
Reid J. S. G. *see under* Buller D. C., **270,** 193
Reynolds S. J. *see under* Coney P. J., **270,** 403
Richards J. G. *see under* Jockusch B. M., **270,** 628
Rivers J. The lipid hypothesis: orthodoxy by default? *news*, **270,** 2
Rivier C. *see under* Rossier J., **270,** 618
Roberts J. M., Insel P. A., Goldfien R. D. and Goldfien A. Alpha adrenoreceptors but not beta adrenoreceptors increase in rabbit uterus with oestrogen, **270,** 624
Roberts M. *see under* Sunderland N., **270,** 236
Roberts T. M., Shimatake H., Brady C. and Rosenberg M.

Sequence of *cro* gene of bacteriophage lambda. **270,** 274
Rodewald M. *see under* Kukla G. J.. **270,** 573
Rogers N. W. Granulite xenoliths from Lesotho kimberlites and the lower continental crust. **270,** 681
Romero C. H. *see under* Purchase H. G.. **270,** 61
Rose M. D. *see under* Pilbeam D.. **270,** 689
Rose M. L. *see under* de Freitas A. A.. **270,** 731
Rosecrans J. A. *see under* Chance W. T.. **270,** 167
Rosenberg M. *see under* Roberts T. M.. **270,** 274
Rossier J., French E. D., Rivier C., Ling N., Guillemin R. and Bloom F. E. Foot-shock induced stress increases beta-endorphin levels in blood but not brain. **270,** 618
Rowan-Robinson M. Aether drift detected at last. *news and views.* **270,** 9
Rowlands J. *see under* Hughes-Jones N. C.. **270,** 613
Rudy R. J. *see under* Kemp J. C.. **270,** 227
Runcorn S. K., Libby L. M. and Libby W. F. Premaeval melting of the Moon. **270,** 676
Ruth R. F. *see under* Vitetta E. S.. **270,** 535
Saar Y. *see under* Cais M.. **270,** 534
Saeed S. A., McDonald-Gibson W. J., Cuthbert J., Copas J. L., Schneider C., Gardiner P. J., Butt N. M. and Collier H. O. J. Endogenous inhibitor of prostaglandin synthetase. **270,** 32
Sambray Y. *see under* Cooper S. M.. **270,** 253
Samish M. Infective *Theileria annulata* in the tick without a blood meal stimulus. **270,** 51
Sample J. T. *see under* Craddock M. K.. **270,** 671
Sandlin G. D. *see under* Jorean C.. **270,** 326
Sangster D. F. and Brook W. A. Primitive lead in an Australian Zn–Pb–Ba deposit. **270,** 423
Santoli D. *see under* Trinchieri G.. **270,** 611
Sanuders V. A. *see under* Saunders J. R.. **270,** 475
Sarma R. H. *see under* Kim C. H.. **270,** 223
Saroglu F. *see under* Toksoz M. N.. **270,** 423
Saunders D. S. and Thomson E. J. 'Strong' phase response curve for the circadian rhythm of locomotor activity in a cockroach (*Nauphoeta cinerea*). **270,** 241
Saunders J. R. and Saunders V. A. Energetic and antibiotic uptake. *news and views.* **270,** 475
Savage J. R. K. Assignment of aberration breakpoints in banded chromosomes. **270,** 513
Saxel O. *see under* Yaffe D.. **270,** 725
Saxena B. P., Koul O., Tikku K. and Atal C. K. A new insect chemosterilant isolated from *Acorus calamus* L.. **270,** 512
Saxena S. K. and Benimoff A. Formation of Fe–Ni–Si planetary cores. **270,** 333
Sazima I. Possible case of aggressive mimicry in a neotropical scale-eating fish. **270,** 510
Scanu A. M. Plasma Lipoprotein structure. *news and views.* **270,** 209
Schelling P. *see under* Phillips M. I.. **270,** 445
Schloessin H. H. How did barium titanate particulates stick together in the Nebula? *matters arising.* **270,** 492
Schmitzer J. *see under* Gáb S.. **270,** 331
Schneider C. *see under* Saeed S. A.. **270,** 32
Schneider S. H. Against instant books. *news.* **270,** 650
Schneider W. J. *see under* Vance D. E.. **270,** 268
Schnur J. M. *see under* Schoen P. E.. **270,** 412
Schoen P. E., Priest R. G., Sheridan J. P. and Schnur J. M. Pressure-induced changes in molecular conformation in liquid alkanes. **270,** 412
Schorlemmer H. U. *see under* Prydz H.. **270,** 173
Schreier P. H. *see under* Davies R. W.. **270,** 757
Schwabe C. *see under* Bedarkar S.. **270,** 449
Schwartz R. S. *see under* Hiai H.. **270,** 247
Schworer C. M. *see under* Mortimore G. E.. **270,** 174
Seeburg P. H. *see under* Shine J.. **270,** 494
Seeburg P. H., Shine J., Martial J. A., Baxter J. D. and Goodman H. M. Nucleotide sequence and amplification in bacteria of structural gene for rat growth hormone. **270,** 486
Seielstad G. A. Radio polarisation of quasars with optical absorption spectra. **270,** 502
Sekuler R. and MacArthur R. D. Alcohol retards visual recovery from glare by hampering target acquisition. **270,** 128
Selkirk J. K. Divergence of metabolic activation systems for short-term mutagenesis assays. **270,** 604
Serlemitsos P. J. *see under* Pravdo S. H.. **270,** 158
Seuanez H. N., Carothers A. D., Martin D. E. and Short R. V. Morphological abnormalities in spermatozoa of man and great apes. **270,** 345
Shackleton N. J. and Opdyke N. D. Oxygen isotope and palaeomagnetic evidence for early Northern Hemisphere glaciation. **270,** 216
Shah S. M. I. *see under* Pilbeam D.. **270,** 684
see under Pilbeam D.. **270,** 689
Shaham J. *see under* Milgrom M.. **270,** 228
Shearman C. W. and Loeb L. A. Depurination decreases fidelity of DNA synthesis *in vitro.* **270,** 337
Shelley W. B. and Juhlin L. Induction of fibrin thrombi by monocytes. **270,** 343
Sheridan J. P. *see under* Schoen P. E.. **270,** 412
Sherman M. I. *see under* Wudl L. R.. **270,** 137
Shimatake H. *see under* Roberts T. M.. **270,** 274
Shimbo T., Kurihara K., Kobatake Y. and Kamo N. Active transport of picrate anion through organic liquid membrane. **270,** 277
Shimizu K. *see under* Sugamura K.. **270,** 251
Shine J. *see under* Seeburg P. H.. **270,** 486
Shine J., Seeburg P. H., Martial J. A., Baxter J. D. and Goodman H. M. Construction and analysis of recombinant DNA for human chrorionic somatomammotropin. **270,** 494
Shinohara T. and Piatigorsky J. Regulation of protein synthesis, intracellular electrolytes and cataract formation *in vitro.* **270,** 406
Short R. V. *see under* Seuanez H. N.. **270,** 345
Shows T. B. *see under* Champion M. J.. **270,** 64
Shriver J., Mateescu G., Fager R., Torchia D. and Abrahamson E. W. Unprotonated chromophore-protein bond in visual pigments from ^{13}C-NMR spectra. **270,** 271
Siebert M. *see under* Kadkade P.. **270,** 49
Siggins G. R., Gruol D. L., Padjen A. L. and Forman D. S. Purine and pyrimidine mononucleotides depolarise neurones of explanted amphibian sympathetic ganglia. **270,** 263
Sigworth F. J. Sodium channels in nerve apparently have two conductance states. **270,** 275
Silinsky E. M., Mellow A. M. and Phillips T. E. Conventional calcium channel mediates asynchronous acetylcholine release by motor nerve impulses. **270,** 528
Simmons P. J. Neuronal generation of singing in a cicada. **270,** 243
Simpkins P. G. *see under* Dudderar T. D.. **270,** 45
Skurray R. *see under* Kennedy N.. **270,** 580
Slabas A. R. and Evans M. C. W. EPR signals in chloroplasts responding to illumination sequence of four flashes. **270,** 169
Sloan R. E. *see under* van Valen L.. **270,** 193
Slovin E. *see under* Cais M.. **270,** 534
Smalley I. J. New look for Loess Commission. *news and views.* **270,** 300
Smith G. Looking to the stars. *news.* **270,** 467
Smith G. S. and Walford R. L. Influence of the main histocompatibility complex on ageing in mice. **270,** 727
Smith J. A. S. Nuclear quadrupole resonance spectroscopy. *news and views.* **270,** 663
Smith P. J. Benioff splitting. *news and views.* **270,** 563
New earthquake magnitude scale. *news and views.* **270,** 299
Red hot sea. *news and views.* **270,** 210
Snarsky L. *see under* Cais M.. **270,** 534
Snyder S. H. *see under* Creese I.. **270,** 180
see under U'Prichard D. C.. **270,** 261
Soeberg B. *see under* Dickmeiss E.. **270,** 526
Spring J. A. and Buss D. H. Three centuries of alcohol in the British diet. **270,** 567
Spurgeon D. What strategy for development? *news.* **270,** 196
Steel C. M., Philipson J., Arthur E., Gardiner S. E., Newton M. S. and McIntosh R. V. Possibility of EB virus preferentially transforming a subpopulation of human B lymphocytes. **270,** 729
Steel C. M., Woodward M. A., Davidson C., Philipson J. and Arthur E. Non-random chromosome gains in human lymphoblastoid cell lines. **270,** 349
Stephens C. L. and Shinitsky M. Modulation of electrical activity in *Aplysia* neurones by cholesterol. **270,** 267
Stevens C. F. Study of membrane permeability changes by fluctuation analysis. *review article.* **270,** 391
Stevenson D. J. and Turner J. S. Angle of subduction. **270,** 334
Stiglitz R. *see under* Di Cocco G.. **270,** 319
Stinnakre J. *see under* Kusano K.. **270,** 739
Strong H. M. *see under* Chrenko R. M.. **270,** 141
Struhl G. Developmental compartments in the proboscis of Drosophila. **270,** 723
Suarez-Kurtz G. and Parker I. Birefringence signals and calcium transients in skeletal muscle. **270,** 746
Sugamura K., Shimizu K., Zarling D. A. and Bach F. H. Role of Sendai virus fusion-glycoprotein in target cell susceptibility to cytotoxic T cells. **270,** 251
Sugino Y. *see under* Higashide E.. **270,** 721
Sugiyama K. Histamine release from rat mast cells induced by Sendai virus. **270,** 614
Sullivan S. N. *see under* Polak J. M.. **270,** 183
Sundby B. Manganese-rich particulate matter in a coastal marine environment. **270,** 417
Sunderland N. and Roberts M. New approach to pollen culture. **270,** 236
Surani M. A. H., Barton S. C. and Kaufman M. H. Development to term of chimaeras between diploid parthenogenetic and fertilised embryos. **270,** 601
Sutton R. N. P. Science versus safety: who should judge the balance? *news.* **270,** 90
Suzuki T. *see under* Tokiwa Y.. **270,** 76
Svejgaard A. *see under* Dickmeiss E.. **270,** 526
Swank J. H. *see under* Pravdo S. H.. **270,** 158
Takeda Y. *see under* Hsiang M. W.. **270,** 275
Tallan I. *see under* Eisen H.. **270,** 514
Tanaka Y. *see under* Havakawa M.. **270,** 703
Tang T. B. Tibetan meteorology. *news and views.* **270,** 14
Two major controversies. *news.* **270,** 465
Tanida S. *see under* Higashide E.. **270,** 721
Tao T-W. and Burger M. M. Non-metastasising variants selected from metastasising melanoma cells. **270,** 437
Taussig M. J. and Finch A. P. Detection of acceptor sites on human lymphocytes for antigen-specific T cell factors. **270,** 151
Terwort G. *see under* Kownatzki E.. **270,** 67
Thamm H. W. *see under* Gáb S.. **270,** 331
Thomas H. *see under* Pilbeam D.. **270,** 684
Thompson J. N. Jr, Ashburner M. an Woodruff R. C. Presumptive control mutation for alcohol dehydrogenase in *Drosophila melanogaster.* **270,** 363
Thompson P. *see under* Gray J.. **270,** 708
Thomson E. J. *see under* Saunders D. S.. **270,** 241
Tikku K. *see under* Saxena B. P.. **270,** 512
Till G. *see under* Dierich M. P.. **270,** 351
see under Kownatzki E.. **270,** 67
Ting A. *see under* McMichael A. J.. **270,** 524
Tinker P. B. Economy and chemistry of phosphorus. *news and views.* **270,** 103
Tipler F. J. Black holes in closed universes. **270,** 500
Tobach E. *see under* Lederhendler I. I.. **270,** 238
Tocchini-Valentini G. P. *see under* Attardi D. G.. **270,** 754
Tokiwa Y. and Suzuki T. Hydrolysis of polyesters by lipases. **270,** 76
Toksoz M. N., Arpat E. and Saroglu F. East Anatolian earthquake of 24 November 1976. **270,** 423
Tomizawa J.-I. *see under* Itoh T.. **270,** 78
Tompa A. S. and Wilbur K. M. Calcium mobilisation during reproduction in snail *Helix aspera.* **270,** 53
Torchia D. *see under* Shriver J.. **270,** 271
Toth P. Is the Sun a pulsar?. **270,** 159
Trinchieri G., Santoli D. and Knowles B. B. Tumour cell lines induce interferon in human lymphocytes. **270,** 611
Tuft R. E. *see under* Chrenko R. M.. **270,** 141
Turin L. and Warner A. Carbon dioxide reversibly abolishes ionic communication between cells of early amphibian embryo. **270,** 56
Turnell W. G. *see under* Bedarkar S.. **270,** 449
Turner J. S. *see under* Stevenson D. J.. **270,** 334
Turner P. and Vaughan D. J. Evidence of rapid changes in the Permian geomagnetic field during the Zechstein marine transgression. **270,** 593
Uhr J. W. *see under* Vitetta E. S.. **270,** 535
U'Prichard D. C. and Snyder S. H. Differential labelling of alpha and beta-noradrenergic receptors in calf cerebellum membranes with ^3H-adrenaline. **270,** 261
Vallet Regi M. *see under* Franco M. A. A.. **270,** 706
van Eekelen C. A. G. *see under* van Venrooij W. J.. **270,** 189
Van Hoosier M. E. *see under* Jordan C.. **270,** 326
van Valen L. and Sloan R. E. Contemporaneity of late Cretaceous extinctions. *matters arising.* **270,** 193
van Venrooij W. J., van Eekelen C. A. G., Jansen R. T. P. and Princen J. M. G. Specific poly-A-binding protein of 76,000 molecular weight in polyribosomes is not present on poly A of free cytoplasmic mRNP. **270,** 189
Vance D. E., Choy P. C., Farren S. B., Lim P. H. and Schneider W. J. Asymmetry of phospholipid biosynthesis. **270,** 268
Vanyushin B. F. *see under* Kirnos M. D.. **270,** 369
Varela F. *see under* Zeiger E.. **270,** 270
Vaughan D. J. *see under* Turner P.. **270,** 593
Veprintsev B. N. *see under* Bregestovski P. D.. **270,** 71
Villa G. *see under* Di Cocco G.. **270,** 319
Vitetta E. S., Uhr J. W., Klein J., Pazderka F., Moticka E. J., Ruth R. F. and Capra J. D. Homology of (murine) H-2 and (human) HLA with a chicken histocompatibility antigen. **270,** 535
Vollmer R. Terrestrial lead isotopic evolution and formation time of the Earth's core. **270,** 144
Vulfius C. A. *see under* Bregestovski P. D.. **270,** 71
Walford R. L. *see under* Smith G. S.. **270,** 727
Walker E. N., Watson M. G. and Holt S. S. The 39-d period in Cyg X-1. **270,** 229
Walker J. Nitrogen diffusion in diamond. *news and views.* **270,** 99
Walton E. K. and Weir J. A. An imbricate thrust model for Southern Uplands of Scotland. *matters arising.* **270,** 194
Wan C. *see under* Ghose S.. **270,** 594
Wang R. A vitreous $Kr\text{-}2SiO_2$. **270,** 705
Warner A. *see under* Turin L.. **270,** 56
Watkins J. C. *see under* Biscoe T. J.. **270,** 743
Watson M. G. *see under* Walker E. N.. **270,** 229
Weatherall D. J. *see under* Pasvol G.. **270,** 171
Webb S. N. *see under* Lewis D. M.. **270,** 745
Weinhold K. J., Goldstein L. T. and Wheelock E. F. Tumour-dormant states established with L5178Y lymphoma cells in immunised syngeneic murine hosts. **270,** 59
Weinstein I. B. *see under* Poirier M. C.. **270,** 186
Weinstein I. B. and Wigler M. Cell culture studies provide new information on tumour promoters. *news and views.* **270,** 659
Weir J. A. *see under* Walton E. K.. **270,** 194
Westerman R. A. *see under* Lewis D. M.. **270,** 745
Wheelock E. F. *see under* Weinhold K. J.. **270,** 59
Whitaker H. A. and Ojemann G. A. Graded localisation of naming from electrical stimulation mapping or left cerebral cortex. **270,** 50
White W. F., Nadler J. V., Hamberger A., Cotman C. W. and Cummins J. T. Glutamate as transmitter of hippocampal perforant path. **270,** 256
Whitmore W. F. Jr. *see under* Holden S.. **270,** 518
Wickramasinghe N. C. *see under* Hoyle F.. **270,** 323
see under Hoyle F.. **270,** 701
Wigler M. *see under* Weinstein I. B.. **270,** 659
Wigzell H. *see under* Haller O.. **270,** 609
Wilbur K. M. *see under* Tompa A. S.. **270,** 53
Wilhelmi D. *see under* Dierich M. P.. **270,** 351
Willett J. B. *see under* Ling J. C.. **270,** 36
Williams C. *see under* Ianuzzo D.. **270,** 71
Williams H. R. and Williams R. A. Kimberlites and plate-tectonics in West Africa. **270,** 507
Williams R. A. *see under* Williams H. R.. **270,** 507
Williams T. J. and Peck M. J. Role of prostaglandin-mediated vasodilation in inflammation. **270,** 530
Williamson M. Diversity of deep-sea benthos. *matters arising.* **270,** 192
Williamson R. DNA insertions and gene structure. *news and views.* **270,** 295
Wilson R. J. M. *see under* Pasvol G.. **270,** 171
Windley B. F. Timing of continental growth and emergence. **270,** 426
Woodhead S. and Bernays E. Changes in release rates of cyanide in relation to palatability of *Sorghum* to insects. **270,** 235

Woodruff R. C. *see under* Thompson J. N. Jr. **270,** 363
Woodward M. A. *see under* Steel C. M.. **270,** 349
Worth R. M. *see under* Ochs S.. **270,** 748
Worthington L. V. Intensification of the Gulf Stream after the winter of 1976-77. **270,** 415
Wudl L. R., Sherman M. I. and Hillman N. Nature of lethality of *t* mutations in embryos, *review article*. **270,** 137
Yaffe D. and Saxel O. Serial passaging and differentiation of myogenic cells isolated from dystrophic mouse muscle. **270,** 725
Yamamoto R. *see under* Kukla G. J.. **270,** 373
Yoneda M. *see under* Higashide E.. **270,** 721
Young J. M. *see under* Hill S. J.. **270,** 361
Yuspa S. H. *see under* Poirier M. C... **270,** 186
Zagalsky P. F. *see under* Anwar M.. **270,** 538
Zarling D. A. *see under* Sugamura K.. **270,** 251
Zeiger E., Moody W., Hepler P. and Varela F. Light-sensitive membrane potentials in onion guard cells. **270,** 270
Zuckerman E. E. *see under* Hardy W. D. Jr. **270,** 249
Zweerink H. J. *see under* McMichael A. J.. **270,** 524

This Publication is Available in MICROFORM



FOR INFORMATION, CUSTOMERS OUTSIDE THE UK AND EUROPE SHOULD WRITE:

University Microfilms International

300 North Zeeb Road
Ann Arbor, Mich. 48106
U.S.A.

18 Bedford Row
London, WC1R 4EJ
England

OTHER CUSTOMERS (UK AND EUROPE) SHOULD CONTACT:
Newspaper Archive Developments Limited, 16 Westcote Road, Reading RG3 2DF, England